

EXHIBIT 30

**DEPARTMENT OF HEALTH AND HUMAN SERVICES
FOOD AND DRUG ADMINISTRATION**

DISTRICT ADDRESS AND PHONE NUMBER 6751 Steger Drive Cincinnati, OH 45237-3097 (513) 679-2700 Fax: (513) 679-2772	DATE(S) OF INSPECTION 7/17/2017-8/18/2017*
	FEI NUMBER 1525965

NAME AND TITLE OF INDIVIDUAL TO WHOM REPORT ISSUED
Lakshmi N. Gudapakkam , Business Leader and Senior VP CT/AMI

FIRM NAME Philips Medical Systems (Cleveland) Inc	STREET ADDRESS 595 Miner Rd
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CITY, STATE, ZIP CODE, COUNTRY Cleveland, OH 44143-2131	TYPE ESTABLISHMENT INSPECTED Medical Device Manufacturer
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This document lists observations made by the FDA representative(s) during the inspection of your facility. They are inspectional observations, and do not represent a final Agency determination regarding your compliance. If you have an objection regarding an observation, or have implemented, or plan to implement, corrective action in response to an observation, you may discuss the objection or action with the FDA representative(s) during the inspection or submit this information to FDA at the address above. If you have any questions, please contact FDA at the phone number and address above.

The observations noted in this Form FDA-483 are not an exhaustive listing of objectionable conditions. Under the law, your firm is responsible for conducting internal self-audits to identify and correct any and all violations of the quality system requirements.

DURING AN INSPECTION OF YOUR FIRM WE OBSERVED:

OBSERVATION 1

Complaints involving the possible failure of a device to meet any of its specifications were not reviewed, evaluated and investigated where necessary.


Specifically, you are not adequately investigating complaints. For example:

A.) Out of 133,845 complaints received from July 2016-July 2017, 129,736 complaints were closed based only on the assigned HHM (hazard/harm) symptom code and not further investigated (97%). From January 2016 to present, there were 3,623 complaints (representing 33 HHM symptom codes) that received a low HHM severity level of (b) (4) (less than moderate or no injury), but had a high RMM (risk matrix) severity level (b) (4) potential serious injury or (b) (4) potential death).

Of these 3,623 complaints, 1,792 should have been escalated based upon your “Service Record Reviewer Team (SRRT) Monitoring Work Instruction”, #CNV-073105-01 and forwarded to the Complaint Handling Unit (CHU) for further investigation.

Additionally, a query of complaints from Feb 2014 to present for HHM codes related to rescan or reinjection of patients found that codes which meet the criteria for escalation are not always forwarded to the CHU. For example:

AMENDMENT 2

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- There were 104 complaints with HHM symptom code (b) (4) Only 51 of these complaints (49%) were actually escalated.

The remaining 1,831 complaints were closed with no further evaluation or investigation and no documentation explaining the reason no investigation was necessary.

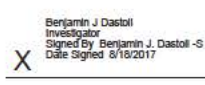
The following are examples of complaints that were closed and not forwarded to the CHU:

- (1) Complaint #5161859, dated 2/24/16: BrightView SPECT imaging system: Table continued to move after letting go of buttons.
- (2) Complaint #5108381, dated 2/9/16: BrightView SPECT imaging system: Table is stuck and estop not working
- (3) Complaint #5176332, dated 2/29/16: SPECT Skylight: unrequested motion error on table
- (4) Complaint #4997407, dated 1/8/16: BR 16 Water: table is free floating
- (5) Complaint #6070916, dated 11/14/16: BrightView SPECT XCT: emergency stop switch "pinged off"

Out of the 1,831 complaints that were not further evaluated or investigated, there were 1,246 complaints that were related to table problems (68%). This data was not analyzed to determine whether further investigation is necessary or if potential corrective/preventive actions are necessary.

B.) The following complaints are examples of incomplete investigations that were escalated to the CHU:

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(b1) Complaint #6772839, dated 5/30/17: Ingenuity TF PET/CT imaging System: The user reported a reconstruction failure that resulted in a rescan and reinjection. The complainant stated that this is occurring monthly. The firm concluded that no MDR was required (based upon your Position Papers: “(b) (4) ” dated 12/16/14 and “(b) (4) ” dated 12/22/14) and is low risk, and thus no further evaluation or investigation is required and the issue will be monitored through trending. The same location reported this problem on 7/7/14 (Complaint #3139910) and on 7/8/2014 (Complaint #3141512). You stated that the defect was found to be a software defect and will be fixed internally in a future software update. You stated that this update is not planned to be released to the field until (b) (4) (estimated) as a mandatory software upgrade. This site still has not had any corrective action for this reconstruction issue. Since the RMM was deemed “Acceptable”, the issue was not forwarded to CAPA and not assessed by your Product Safety Committee (PSC) for potential Correction or Removal. From 1/22/2013 to present, you have received 22 complaints with the same failure mode.

(b2) Complaint #6700539, dated 5/11/17: Brilliance iCT imaging system. The user reported saving incorrect patient images. You investigated the issue by reviewing system log files. No issue was found and the complaint was closed. However, the complaint stated that engineering should be contacted for a deeper investigation. This was never done. Complaint was closed on 5/18/17 with no further action taken.

(b3) Complaint #6629122, dated 4/21/17: Ingenuity CT imaging system. A customer reported on the CT viewer 2 examinations of 2 different patients are mixed and is happening 2-3 times a year. Your FSE resolved the issue by restarting the host PC. The complaint was not investigated further and was closed based only the resolution of the customer complaint. The complaint was closed on 4/26/17.

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OBSERVATION 2

Procedures for receiving, reviewing, and evaluating complaints by a formally designated unit have not been adequately established.

Specifically, the following are examples of how your complaint processing procedures [“Complaint Handling Standard Operating Procedure”, #CNW-073103-00, and “Complaint Handling Work Instruction”, #CNV-073103-05, “Service Record Reviewer Team (SRRT) Monitoring Work Instruction”, #CNV-073105-01] are not complete and adequately established:

A.) Your procedures for entering complaints do not describe how and when failure codes are entered during the complaint process. You do not have any procedure that defines these failure codes. During complaint processing, you enter a HHM symptom code for all complaints, but only enter a failure code for those complaints that are escalated to the Complaint Handling Unit (CHU). Therefore, you have not entered failure codes for the 97% of complaints received since January 2016 (129,736 complaints).

- From January 1, 2016 to present you have 855 complaints that have received an “(b) (4)” failure code. The (b) (4) failure code defines the category of the complaint (i.e.: console, gantry, couch). The Tier 2 codes further defines the failure. These codes are used for data analysis and to determine if further actions are needed (i.e.: CAPA). In your recent “Complaint Trending Report June 2017”, your top failure code for “Console Acquisition” was “(b) (4)”. The “(b) (4)” code does not provide sufficient detail on what the defect was in order to analyze this data to determine if further action is necessary.

Additionally, there is no procedure on when to add a code or when an “(b) (4)” code should be further defined and additional codes added.

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B.) Your complaint procedures are not clear on when a complaint requires investigation and what level of investigation is needed. Section 5.1.1 of the Complaint Handling SOP states that the SRRT (Service Record Review Team) assigns symptom codes (also called HHM ID #). These codes are based on the severity of actual harm occurring, not the potential severity of the hazard. All HHM symptom codes which are assigned a severity level of “2” or greater are automatically forwarded to the CHU for further evaluation or investigation. Symptom codes assigned a severity of “1” (306 of 412 codes (74%)) are then divided into one of three categories: 1) close, no further evaluation, 2) close, no further evaluation but meets an escalation criteria (per “Service Record Reviewer Team (SRRT) Monitoring Work Instruction”, #CNV-073105-01, Rev 05 dated 6/14/17 procedure) to be forwarded to the CHU, 3) forward to the CHU.

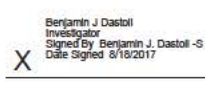
C.) Revision 04 of the SRRT Work Instructions (dated 11/12/2015) removed nine (9) HHM symptoms codes which required escalation to the CHU for further evaluation and investigation. These nine (9) codes included issues relating to: electric shock, patient leakage current, motorized movement issues or falling parts. Since 11/12/2015, there have been 4,251 complaints which were not escalated to the CHU for further evaluation or investigation because these codes were removed. You have no documented rationale why these codes were removed.

OBSERVATION 3

Procedures for corrective and preventive action have not been adequately established.

Specifically, you have not adequately established your “Corrective and Preventive Action Standard Operating Procedure”, CNW-073100-00 Rev 08, dated 3/1/17. For example:

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A.) Complaints and non-conformances (QNs & CTUDTs) are only evaluated for potential corrective/preventive actions when an escalation criteria is met. These criteria are incomplete & vague and do not ensure consistent escalation of your data sources. For example:

(a1) Item #2 of section 4.3.3 states that one reason to escalate is because of a “*violation of an applicable regulation*”, e.g: 21 CFR 820. Most of your data sources would appear to meet these criteria, but have not escalated to a CAPA.

(a2) Item #4 defines another escalation criteria as: “*As a result of Product and Process Metrics Management*”. This “Product and Process Metrics Management Standard Operating Procedure” does not provide triggers on when a CAPA should be considered. For example:

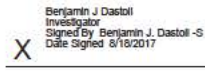
Your data analyses (trending) does not contain sufficient information to allow consideration into your CAPA System. For example, your following two data analysis reports are not complete or adequate:

- Complaint Data Analysis: You only analyze the (b) (4) symptom codes and failure codes (by number of occurrences) for the (b) (4) for CAPA consideration per “Complaints Trending Work Instruction”. This is not based upon the risk level associated with the symptom or failure code, but only upon total numbers.

Your analysis of these (b) (4) complaints is not based upon an appropriate statistical methodology. You have not established acceptable levels for these (b) (4) codes or symptoms. For example, you base your decision to further evaluate issues based on a two standard deviation from the mean of occurrences over a (b) (4) period. Your statistical methodology allows for an upward trend in the mean value which may not trigger further action.

- Non-conformances (QN) Data Analysis: Your QN Trend Report (data gathered from June 2016-June 2017) does not include meaningful data that could generate corrective actions.

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For example, you assign “*cause codes*” for each QN per your “Nonconforming Product Control Standard Operating Procedure”, #CNW-073114-00, section 4.3.1.10. However, you do not use this data to monitor and analyze as a potential data source to CAPA.

This QN Trend Report noted an “(b) (4)” trend of “QN Closure Timeliness”. The documented action planned was “*Evaluate QNs for a path forward*”. There has been no further action taken. Your data analysis for the “Top System QN Descriptions” (compiled from a (b) (4)) indicated that there were “(b) (4)” trends found related to the iCT Systems and Ingenuity Systems. This was an upward trend of your (b) (4) QNs opened against these systems. You have not taken any actions to address these trends.

Additionally, you are not following your “Product and Process Metrics Management Standard Operating Procedure” section 4.1.1, in that you have not defined any “*Action/Alert limits*” for non-conformances that could trigger further action.

B.) In January 2017, you updated your “(b) (4) Quality Notification (QN) Material Review Board (MRB) Evaluation & Disposition Work Instruction, #CNV-073406-00, Rev 11 to remove a failure/occurrence metric for non-conformances which would trigger a CAPA Request. This metric was: “*Three or more similar component failures/occurrences in 30 days or six in six months*”. You do not have any documented rationale why this metric was removed and why it is no longer used as a CAPA trigger.

C.) The following CAPAs reviewed were not complete and were closed before adequate corrective actions were taken:

(c1) CAPA #3668989, dated 9/2/15: This CAPA was opened as a result of a complaint that reported: “*Brain CT data exhibited ring artifact which were initially misintepreteted as a brain hemorrhage*”. An MDR #1525965-2012-00122 was submitted, dated 12/5/2012. The CAPA

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concluded that this is a known issue due to embrittlement of the (b) (4) within the (b) (4) (b) (4) over time due to long-term radiation exposure. You concluded in your CAPA investigation that this was an “acceptable” failure ((b) (4) 1) and no further product corrective actions were needed. You also concluded that the PM schedule was appropriate to detect these failures. However, your (b) (4) analysis conducted as part of the CAPA investigation found 59 similar complaints related to this issue. You have no documented rationale why these are acceptable even though you believe the PM schedule is adequate to detect this failure. After you closed the CAPA, you reran your data analysis on 8/11/17 for complaints and found from 2/4/16-8/11/17 that there were an additional 117 complaints related to this failure mode.

During the course of your CAPA investigation, you decided to open a SCAR because you found that your (b) (4) suppliers of the (b) (4) were using different control checklists for evaluating and repairing this part [SCAR, #(b) (4), dated 1/27/16]. The CAPA was closed on 2/5/16 and the SCAR was closed on 2/29/16 with no further actions taken.

(c2) CAPA #4702449, dated 10/12/2015: This CAPA was opened due to “software anomaly escapes” relating to software versions 4.1.3 and 4.1.4. You concluded that after you implemented all your remediation corrective actions (1/2015), your complaint rate of software defects decreased by 60% and you closed the CAPA based upon “the premise that there was a statistical difference in the pre and post test groups”. You did not investigate into the root cause why the defects were not caught during design and development or even what specifically changed in your remediation process that caused this improvement. After remediation activities were implemented in 1/2015, you reported 23 recalls related to software defects.

D.) From February 2014 to the present, you have reported to the FDA 30 recalls (all Class II) related to software defects and you concluded that the cause of these were due to “software design controls”.

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You have not initiated any further corrective action to identify the problem with design controls and if your (b) (4) testing is adequate and robust enough to detect defects prior to market release. You have recalled every version of the 4.1.x software (4.1.0, 4.1.1, 4.1.2, 4.1.3, 4.1.4, 4.1.5 and 4.1.6) which is used on your iCT and Ingenuity CT imaging systems.

- This is a repeat observation from the FDA-483 issued on 1/28/2014.

OBSERVATION 4

Risk analysis is inadequate and is incomplete.


Specifically,

A.) Your firm uses a Hazard Harm Matrix (HHM) to determine if complaints originating from service orders (SOs) are forwarded to the complaint handling unit (CHU) for potential investigation. The HHM uses “symptom codes”, based on actual events occurring, and only assigns a severity level (no probability).

Per your Risk Management Periodic Review procedures (CNW-073106-03, Rev 2), you perform an annual review of the Risk Management Matrix (RMM) and the HHM to confirm the hazards are aligned.

(a1) Data extracted from the 2016 Risk Management Periodic (b) (4) reviews for the Brilliance iCT and Ingenuity systems found 56 discrepancies between the HHM and RMM regarding the assigned severity levels. Thirty three (33) of the discrepancies were assigned an HHM severity of (b) (4) (less than moderate or no injury) and the associated RMM had assigned a potential severity of (b) (4) (serious injury) or (b) (4) (death). Twenty four (24) of the thirty three (33) symptom codes are not forwarded to the CHU for further evaluation or investigation.

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(a2) According to RMM-HHM Alignment (b) (4) all RMM hazards which have a severity of (b) (4) (serious injury or death), must have at least 1 HHM entry which would require escalation to the CHU (complaint handling unit). In the report, you concluded that this criteria was met. This inspection found 11 entries which did NOT have a corresponding HHM entry which would require escalation to the CHU.

(a3) It is unclear why some of the symptom codes which are assigned a severity level of (b) (4) are forwarded to the CHU and why some are not.

B.) A review of 36 complaint records and associated MDR files found:

(b1) Not all hazards associated with the complaints were identified in the records. Out of the 36 complaint/MDR files reviewed, 21 complaint files (representing 28 different hazards) did not have all the possible associated hazards. These hazards are used as part of your data analyses in order to initiate potential corrective/preventive actions. For example, complaint 2599340 only listed hazard 0266 2.11.11 (loose set screws holding the spline hub) as part of the file where hazard 0266 2.7.1.1 (uncontrolled up/down motion due to mechanical failure) is also applicable. Both hazards are assigned a potential severity of (b) (4) or serious injury.

(b2) Per your Senior Systems Engineer and Risk Management Procedures, the same hazard risk identification for similar systems should have the same risk factors. This inspection found that not all hazards associated with the 36 complaint files were fully aligned (potential severity and or probability) with similar imaging systems. There were a total of 75 hazards which were not (b) (4) implemented" to other systems. If properly aligned, you identified twenty three (23) hazards would now be considered "unacceptable" and would require further analyses/mitigation.

(b3) Not all complaint records had an associated RMM hazard assigned. Two complaints (numbers 2637836 and 4074943) had no associated hazard documented in the complaint file. This RMM

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assignment is used by the complaint handling unit to perform data analyses (trending) for possible corrective/preventive actions.

C.) According to your Risk Management procedure, CNW-073106-00, Rev 09, risk levels are assigned using severity and probability. To determine the residual probability in your Risk Management Matrix (RMM) documents, you (b) (4)

(b) (4) Therefore, if an actual injury has never occurred, you assign your (b) (4) The implication being that the number of occurrences (P1) for hazards which have an assigned (b) (4) value of (b) (4) will always be "0". No hazards with residual (b) (4) probability ratings ((b) (4) (b) (4)), would result in an unacceptable risk level.

For example, your 2016 Periodic Review of Complaints & Human factors (b) (4), identifies 16 complaints in the past year regarding uncontrolled vertical couch motion. These complaints were identified as linked to RMM hazard number 2.7.1.1. with an assigned potential severity level of (b) (4) (serious injury: life threatening or permanent impairment). None of the complaints involved actual injury, as such, none counted towards the probability score.

- This is a repeat observation from the FDA-483 issued on 1/28/2014.

OBSERVATION 5

Procedures to ensure that all purchased or otherwise received product and services conform to specified requirements have not been adequately established.

AMENDMENT 2

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**DEPARTMENT OF HEALTH AND HUMAN SERVICES
FOOD AND DRUG ADMINISTRATION**

DISTRICT ADDRESS AND PHONE NUMBER 6751 Steger Drive Cincinnati, OH 45237-3097 (513) 679-2700 Fax: (513) 679-2772	DATE(S) OF INSPECTION 7/17/2017-8/18/2017*
	FEI NUMBER 1525965

NAME AND TITLE OF INDIVIDUAL TO WHOM REPORT ISSUED
Lakshmi N. Gudapakkam , Business Leader and Senior VP CT/AMI

FIRM NAME Philips Medical Systems (Cleveland) Inc	STREET ADDRESS 595 Miner Rd
CITY, STATE, ZIP CODE, COUNTRY Cleveland, OH 44143-2131	TYPE ESTABLISHMENT INSPECTED Medical Device Manufacturer

Specifically, your procedure, "Supplier Selection, Classification and Approval Standard Operating Procedure," CNW-140100-00, Revision 11, does not ensure control of your suppliers.

Your procedure states if a supplier is on probation, the Risk Assessment form must be completed. For example, Supplier A is a Class I (highest risk) contract manufacturer of your patient supports and partial gantry for the iCT and CT product lines. This supplier has been on probation since June 1, 2015 and a Supplier Risk Mitigation Form has been completed, per your SOP "Supplier Oversight and Monitoring Process Standard Operating Procedure," CNW-140101-00, Revision 11. However, this supplier currently has been issued 12 of (b) (4) of the open SCARs, spanning January 2016 to present, and 683 of (b) (4) of non-conformances, or Quality Notices, since 2016 were created for their products. Additionally, on May 27, 2016, you reported a recall to the FDA, where the root cause was found to be supplier controls over this supplier. Prior to that, this part has been recalled 3 times since February 2014, due to supplier controls over Supplier A.

- This is a repeat observation from the FDA-483 issued on 1/28/2014.


OBSERVATION 6

Procedures for acceptance of incoming product have not been adequately established.

Specifically, your "Receiving Inspection Plan (RIP) for (b) (4) ," (b) (4) , Revision 02 and "Receiving Inspection Plan (RIP) for (b) (4) , Revision 02, is inadequate.

The (b) (4) is used to conduct receiving inspections for 82 of (b) (4) risk components, (b) (4) . The RIP includes only visual inspection, and verifying shipping and part numbers and the Certificate of Analysis. Additionally, at least (b) (4) of your suppliers

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CITY, STATE, ZIP CODE, COUNTRY Cleveland, OH 44143-2131	TYPE ESTABLISHMENT INSPECTED Medical Device Manufacturer

of the (b) (4) risk components, including Supplier A in Observation 5, are currently on probationary status and use the (b) (4) RIP. The partial gantry, a (b) (4) risk part on the (b) (4) RIP, from Supplier A had (b) (4) non-conformances, or Quality Notices, in 2016. (b) (4) of those Quality Notices were created during production, after passing receiving inspection.

The (b) (4) RIP is used to conduct receiving inspections for 223 (b) (4) (b) (4) risk components, which is your (b) (4) risk category. The RIP includes only visual inspection, and verifying shipping and part numbers and the Certificate of Analysis. There are no requirements for performing incoming testing or measurements. Additionally, at least (b) (4) of your suppliers of the (b) (4) risk components are currently on probationary status, including Supplier B, and use the (b) (4) Risk Class RIP. The (b) (4) system, an (b) (4) risk part on the (b) (4) RIP, from Supplier B had (b) (4) non-conformances, or Quality Notices, in 2016. All of these Quality Notices were created during production, after passing receiving inspection.


During the incoming inspection, I observed a receiving technician when receiving an Ingenuity Extended Patient Support from Supplier A. Per the receiving inspection plan, the receiving technician did not use the vendor specification "(b) (4)", (b) (4), to check 2 of (b) (4) Critical To Quality elements (CTQs) on the Certificate of Analysis from Supplier A.

OBSERVATION 7

Process control procedures that describe any process controls necessary to ensure conformance to specifications have not been adequately established.

Specifically,

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**DEPARTMENT OF HEALTH AND HUMAN SERVICES
FOOD AND DRUG ADMINISTRATION**

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CITY, STATE, ZIP CODE, COUNTRY Cleveland, OH 44143-2131	TYPE ESTABLISHMENT INSPECTED Medical Device Manufacturer

Your pFMEA work instructions, CNV-073143-01, Rev 6., describe inputs including post market data (associated defects, CAPA, complaints and service work orders) which are to be reviewed (b) (4) for potential pFMEA updates.

Your most recent annual review for the Ingenuity CT system ((b) (4)) pFMEA Review (b) (4), (b) (4) did not include complaints/post market data as a data source for the potential updates to the pFMEA.

OBSERVATION 8

Procedures for design change have not been adequately established.

Specifically, your procedure “Defect Management Standard Operating Procedure,” CNW-030700-01, Revision 05, has not been adequately implemented. For example,

A.) Your process for handling duplicate Anomaly Reports is not clearly defined. Section 3.4, step 1.1 of your procedure states “Check For Duplicates... If a duplicate record is found skip this entry.” However, there is no further definition of updating the duplicate record to include information about the recurrence of the anomaly report. Step 2.4, 7.3, 10.4 and 12.3 all outline the closing of records, if duplicates are found, but do not further define updating the duplicate record. You were unable to provide me with a procedure that defines this process, but your Senior Manager of the Systems Group stated it routinely occurs and is one of the methods for anomaly reports that have been postponed to be reopened and reinvestigated or fixed.

B.) Your Senior Manager of the Systems Group stated your History Review Technical Review Records use a time frame (b) (4) for considering ARs for inclusion in the software updates. However, there are currently 101 ARs not closed that were submitted earlier than (b) (4), which would not be considered for inclusion in a software update.

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**DEPARTMENT OF HEALTH AND HUMAN SERVICES
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CITY, STATE, ZIP CODE, COUNTRY Cleveland, OH 44143-2131	TYPE ESTABLISHMENT INSPECTED Medical Device Manufacturer
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C.) Your firm currently uses the terms "Anomaly Report" and "Provisionally Unacceptable." However, neither of these terms are adequately defined in this procedure.

OBSERVATION 9

The written MDR procedure does not include an internal system which provides for a standardized review process/procedure for determining when an event meets the criteria for reporting.

Specifically, your "Adverse Event Reporting Standard Operating Procedure", #CNW-073108-00 (MDR SOP) does not clearly define when malfunction events are reportable under 21 CFR 803. Section 4.3.2 of this procedure states if the malfunction did not cause or contribute to a death or serious injury, but could possibly cause or contribute to a death of serious injury if the malfunction were to recur, you have to "*Review Risk RMM*". There are no further procedures on what you are looking for in the RMM or what data in the RMM would require an MDR submission.

Additionally, your "Hazard Harm Matrix Standard Operating Procedure" #CNW-073107-01 states that the CHU is to utilize this HHM as guidance to assist with regulatory reporting. However, your Manager of the Complaint Handling Unit stated that you do not use the HHM to determine if an MDR is required. Also, your MDR SOP does not address the HHM or how it's used for regulatory reporting.

Annotations to Observations

Observation 1: Under consideration

AMENDMENT 2

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~~Promised to correct~~
~~Promised to correct~~
~~Promised to correct within 90 Days~~
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 Observation 2: Under consideration
~~Annotation Intentionally Left Blank~~
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~~Promised to correct~~
~~Promised to correct within 90 Days~~
~~Promised to correct~~
 Observation 3: Annotation Intentionally Left Blank
~~Under consideration~~
~~Under consideration~~
~~Promised to correct~~
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~~Promised to correct within 90 Days~~
~~Promised to correct~~
 Observation 4: Annotation Intentionally Left Blank
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~~Under consideration~~
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~~Promised to correct~~

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Observation 5: Annotation Intentionally Left Blank
~~Under consideration~~
~~Under consideration~~
~~Promised to correct~~
~~Promised to correct~~
~~Promised to correct within 90 Days~~
~~Promised to correct~~
 Observation 6: Promised to correct
~~Under consideration~~
~~Under consideration~~
~~Annotation Intentionally Left Blank~~
~~Annotation Intentionally Left Blank~~
~~Annotation Intentionally Left Blank~~
~~Promised to correct within 90 Days~~
 Observation 7: Promised to correct
~~Under consideration~~
~~Under consideration~~
~~Annotation Intentionally Left Blank~~
~~Annotation Intentionally Left Blank~~
~~Annotation Intentionally Left Blank~~
~~Promised to correct within 90 Days~~
 Observation 8: Promised to correct by 12/22/2017
~~Under consideration~~
~~Under consideration~~
~~Annotation Intentionally Left Blank~~
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~~Promised to correct~~
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--	---

~~Promised to correct within 90 Days~~
~~Promised to correct~~
 Observation 9: Promised to correct
~~Under consideration~~
~~Under consideration~~
~~Annotation Intentionally Left Blank~~
~~Annotation Intentionally Left Blank~~
~~Annotation Intentionally Left Blank~~
~~Promised to correct within 90 Days~~

***DATES OF INSPECTION**
 7/17/2017(Mon),7/18/2017(Tue),7/19/2017(Wed),7/20/2017(Thu),7/21/2017(Fri),7/24/2017(Mon),7/25/2017(Tue),7/26/2017(Wed),7/27/2017(Thu),7/28/2017(Fri),7/31/2017(Mon),8/01/2017(Tue),8/02/2017(Wed),8/03/2017(Thu),8/04/2017(Fri),8/07/2017(Mon),8/08/2017(Tue),8/09/2017(Wed),8/10/2017(Thu),8/11/2017(Fri),8/14/2017(Mon),8/15/2017(Tue),8/16/2017(Wed),8/17/2017(Thu),8/18/2017(Fri)

Laureen M Geniusz
 Investigator
 Signed By: Laureen M. Geniusz -S
 Date Signed: 8/18/2017

Christina L Bigham
 Investigator
 Signed By: Christina L. Bigham -S
 Date Signed: 8/18/2017

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EXHIBIT 31

LIBRARY OF CONGRESS

*Copyright Office
of the United States*

WASHINGTON, D.C.

THIS IS TO CERTIFY that the attached photocopies are a true representation of the work entitled **ALLURA XPER VERSION 7.8.0** deposited in the Copyright Office with claim of copyright registered under number **TX 8-377-568**.

THIS IS TO CERTIFY ALSO, beginning October 1, 2006 the Copyright Office discontinued the practice of stamping incoming deposits with accession stamp dates and registration numbers. Incoming deposits are now identified with barcodes labels.

IN WITNESS WHEREOF, the seal of this Office is affixed hereto on June 14, 2018.

Karyn A. Temple
Acting United States Register of Copyrights and Director



By: Jarletta Walls
Supervisory Copyright Specialist
Records Research and Certification Section
Office of Public Records and Repositories



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ALLURA XPER VERSION 7.8.0
DEPOSIT – FIRST 10 PAGES
(COMPUTER PROGRAM
CONTAINING TRADE SECRETS)

**NOTE: The computer program which is the subject of the copyright claim contains trade
secret material.**


```
; Project specific build tooling to run the GBE for POS
;
; History:
;   2008-01-17    v0.1   Roel Kersten      - Initial version
;   2008-04-18 v0.2   Roel Kersten      - GBE v1.2.0, RemovePrivatePOSFiles.pl deleted
;   2008-09-30 v0.3   Sebastiaan van der Hoest - Removed 4NT wrapper
```

```
; POS specific tool that generates 'gc_version.def'
[GenGcVersionDef]
ActionTool=GenGcVersionDef.pl
```

```
@echo off
rem #####
rem ###
rem ### Philips Medical Systems B.V. (C) 2008
rem ### All rights reserved
rem ###
rem ### CheckMappedDrive
rem ###
rem ### Checks whether the current working directory is a mapped drive letter
rem ### by looking if "uPOS" exists in the root.
rem ### If this is run from t:\<viewtag> this check will fail
rem ###
rem ### returns: 0 if mapped
rem ###      1 otherwise
rem ###
rem #####
```

```
setlocal
```

```
FOR /F "usebackq" %%i IN (`clearTool pwv -s`) DO set ViewTag=%%i
```

```
if not exist "\uPOS" (
```

```
    echo Error: Build should be run from a mapped drive.
    echo     Map your view first and start this script from there.
    echo     E.g., "subst y: t:\%ViewTag%"
    exit /b 1
```

```
)
```

```
exit /b 0
```

```
; This ini-file is a template of settings needed for
; setting up builds for your project
; Copy this file into your project's Build directory
```

```

; and change settings for your project
;
[settings]
;
; Required by Engine
;
ContinueOnError=false
DebugStep=false
;
; Global ActionTool settings
;
ScmExecToolTrace=0
Preview=false
;
; Declarations (these settings need to be overwritten)
;
SubSystemRoot=
ViewTag=
MsiVersion=
;
; Project variables
;
ProjectName=Innova
SubsysName=POS
BodyComponent=POS-uPOS@\projCIS
InterfaceComponent=POS-uCompPublic@\projCIS
;
; TICS
;
TicsDatabase=POS_Innova
TicsEmailSuccess=rob.schreurs@philips.com,sander.mathijssen@philips.com
TicsEmailFail=rob.schreurs@philips.com,sander.mathijssen@philips.com,dl_BST_CV_DCM@
philips.com
TicsBuildConfiguration=
;
; Logging and publishing
;
BuildDir=D:\buildresults\[ProjectName]\[ViewTag]
LogDir=[BuildDir]\Logging
DeliverDir=[BuildDir]\Binaries
RequiredFreeMB=500
PublishRoot=\\nlybstqvp4ms038\Publish
;
; Compile settings for Visual Studio
;
BuildAction=rebuild

```



```

BuildConfiguration=release
;
; For CreateMsiFile
;
BinRoot=c:
DataRoot=[SubSystemRoot]
MsiTargetFolder=[DeliverDir]
SimulateCreateMsiFile=false
SubSystemName=PMS_POS
SubSystemVersion=[MsiVersion]
;
; For NotifyUsers
;
ToListOnSuccess=dl_BST_iXR_Positioning_Flexmove_SW@philips.com,rob.schreurs@philips.com
ToListOnFailed=dl_BST_iXR_Positioning_Flexmove_SW@philips.com,rob.schreurs@philips.com,dl_BST_CV_DCM@philips.com
SmtptMailRelay=mailhub.best.ms.philips.com:25
FromAddress=Generic.Build.Environment@philips.com
;
; Team stream build settings
;
TeamPublishRoot=D:\Publish
TeamReqFreeMB=[RequiredFreeMB]
TeamToSuccess=dl_BST_iXR_Positioning_Flexmove_SW@philips.com,rob.schreurs@philips.com
TeamToFailed=dl_BST_iXR_Positioning_Flexmove_SW@philips.com,rob.schreurs@philips.com
;
; Custom settings
;
C_GENERIC_DIR=c:\generic
; Specify free disk space for d:\buildresults
RequiredFreeMBBuild=2000
; Specific copy location to start automated test from
NIGHTJOB_DIR="\\proj3\P-cisontw\NightJob (Joris Eijsackers)\SyncDir\[StreamName]"
; define directory to store gc_version.def
GC_VERSION_DIR=[SubSystemRoot]\GeoCVEmbId
;
;
; Use custom path settings
;
UseEnv=[SubSystemRoot]\Build\setvspath.cmd

@echo off

```

```

rem #####
rem ###
rem ### Philips Medical Systems B.V. (C) 2008
rem ### All rights reserved
rem ###
rem ### SAP build script
rem ###
rem ### This script runs a SAP build using the GBE
rem ### Typically a non ClearCase archive
rem ###
rem ### The following GBE::Blackboard settings are overwritten by this script:
rem ### o [MsiVersion]      : Set to %1.%2.%3.%4
rem ### o [SubSystemRoot]  : Set to %dp0\.. (i.e. parent dir of script dir)
rem ### o [BuildDir]       : D:\buildresults\[ProjectName]\SAP_[MsiVersion]_%DATE%
rem ###
rem ### Scenario: dev_build.scm
rem ### Settings: GBE.ini
rem ###
rem ### Arguments:
rem ### %1 MSI_VERSION_PRODUCT
rem ### %2 MSI_VERSION_INTERFACE
rem ### %3 MSI_VERSION_BODY
rem ### %4 MSI_VERSION_WEEKNR
rem ###
rem ### History:
rem ### 2008-03-12 Roel Kersten Initial version
rem ### 2008-03-21 Roel Kersten Added %CDM_TOOLS% and %SRT_TOOLS% for
Rocket projects
rem ### 2008-05-28 Roel Kersten CIS00079790: Implement GBE 1.2 for Sojourner
rem #####

```

```
setlocal
```

```

rem ## Are we running from a mapped drive?
call CheckMappedDrive.cmd
if %ERRORLEVEL% NEQ 0 ( goto :ErrorBuild )

```

```

rem ###
rem ### Verify that all needed arguments to start the SCM build are supplied
rem ###
@if "%4"==" " @(
  @echo You invoked this script with the following command line parameters: %*
  rem %
  @echo Missing commandline parameters.
  @echo Please invoke this script with these command line parameters:
  @echo Product Interface Body Weeknr

```



```
@echo.
@goto :ErrorBuild
)
```

```
rem #####
rem ### Generic environment variables
rem #####
```

```
rem SCM_ID is necessary for embedded code
set SCM_ID=(%1,%2,%3,0)
rem %
```

```
rem Overwrite MsiVersion in Blackboard
set GBE_MsiVersion=%1.%2.%3.%4
```

```
rem Overwrite SubSystemRoot
set GBE_SubSystemRoot=%~dp0..
rem %
```

```
rem Next EV's are necessary for projects that use
rem Tools-CVPub, i.e. "Rocket" projects
set CMD_TOOLS=U:\tools\commands
set SRT_TOOLS=U:\tools\tabledriven
```

```
rem Overwrite BuildDir
set GBE_BuildDir=D:\buildresults\[ProjectName]\SAP_[MsiVersion]_%DATE%
```

```
set toolpath=..\..\uCompScmDev\Build\Engine\Src
```

```
rem #####
rem ### Start the build
rem #####
:Startbuild
perl -w "%toolpath%\ScmExec.pl" dev_build.scn
if %ERRORLEVEL% EQU 0 (
  goto :FinishBuild
) ELSE (
  goto :ErrorBuild
)
```

```
REM
#####
REM ### Error handler(s)
REM
#####
:ErrorBuild'
```

```
echo.
echo Developer build script finished with errors!
exit /b 1
echo.
```

```
:FinishBuild
echo.
echo Developer build script finished successfully
exit /b 0
echo.
endlocal
```

```
REM
#####
REM ### End of script
REM
#####
```

```
@echo off
```

```
rem #####
rem ###
rem ### Philips Medical Systems B.V. (C) 2008
rem ### All rights reserved
rem ###
rem ### TICS build script
rem ###
rem ### This script runs a TICS build using the GBE
rem ###
rem ### Options:
rem ### /Force Forces a build + TICS run (regardless of reconfigure)
rem ### /Recalc Forces a build + TICS
recalculate run
rem ###
rem ### The following GBE::Blackboard settings are overwritten by this script:
rem ### o [ViewTag] : Set to the current view
rem ### o [SubSystemRoot] : Set to %dp0\.. (i.e. parent dir of script dir)
rem ### o [MsiVersion] : Set to 0.0.0.0
rem ### o [SimulateCreateMsiFile] : Set to TRUE (Simulate MSI creation)
rem ### o [TicsReconfigureIgnore] : Set to TRUE if '/Force' or '/Recalc'
rem ### o [TicsRecalculate] : Set to TRUE if '/Recalc'
rem ###
rem ### Note: This script runs only on a read-only stream
rem ###
rem ### Scenario: TICS_build.scm
rem ### Settings: GBE.ini
```



```

rem ###
rem ### Arguments:
rem ### None
rem ###
rem ### History:
rem ### 2008-03-12 Roel Kersten Initial version
rem ### 2008-03-21 Roel Kersten Added %CDM_TOOLS% and %SRT_TOOLS% for
Rocket projects
rem ### 2008-08-05 Roel Kersten CIS00085680: GBE: Support for snapshot views in generic
build scripts
rem ### 2008-08-25 Roel Kersten CIS00087478: GBE: TicsStreamReconfigures should
rebase to recommended baseline
rem #####

```

```
setlocal
```

```

rem ## Are we running from a mapped drive?
call CheckMappedDrive.cmd
if %ERRORLEVEL% NEQ 0 ( goto :ErrorBuild )

```

```

rem #####
rem ### Generic environment variables
rem #####

```

```

rem ## /Recalc mode
if /I "%1" == "/Recalc" (
  shift /1
  set GBE_TicsReconfigureIgnore=true
  set GBE_TicsRecalculate=true
) else if /I "%1" == "/Force" (
rem ## /Force mode
  shift /1
  set GBE_TicsReconfigureIgnore=true
)

```

```

rem no other arguments
if NOT "%1" == "" (
  echo syntax^: TICS_build.cmd ^[/Force ^| /Recalc^]
  exit /b 1
)

```

```

rem Overwrite SubSystemRoot
set GBE_SubSystemRoot=%~dp0..
rem %

```

```
rem SCM_ID is necessary for embedded code
```

```

set SCM_ID=(0,0,0,0)
rem %

rem Overwrite MsiVersion in Blackboard
set GBE_MsiVersion=0.0.0.0

rem Overwrite SimulateCreateMsiFile in Blackboard
rem Developers do not have to create an MSI
set GBE_SimulateCreateMsiFile=true

rem Next EV's are necessary for projects that use
rem Tools-CVPub, i.e. "Rocket" projects
set CMD_TOOLS=U:\tools\commands
set SRT_TOOLS=U:\tools\tabledriven

FOR /F "usebackq" %%i IN (`ClearTool pwv -s`) DO set GBE_ViewTag=%%i
rem %

set toolpath=..\..\uCompScmDev\Build\Engine\Src

rem #####
rem ### Start the build
rem #####
:Startbuild
perl -w "%toolpath%\ScmExec.pl" TICS_build.scm
if %ERRORLEVEL% EQU 0 (
    goto :FinishBuild
) ELSE (
    goto :ErrorBuild
)

REM
#####
REM ### Error handler(s)
REM
#####
:ErrorBuild
echo.
echo TICS build script finished with errors!
exit /b 1
echo.

:FinishBuild
echo.
echo TICS build script finished successfully
exit /b 0

```



```
echo.  
endlocal
```

```
REM  
#####  
REM ### End of script  
REM  
#####
```

```
#####  
##  
## TICS_build.scm  
##  
## Generic scenario that performs all actions that are necessary  
## for a "TICS build".  
##  
## History:  
## 2008-03-12 Roel Kersten Initial version  
## 2008-03-25 Roel Kersten CIS00074798: Add optional parameter to TICS action tool  
## 2008-08-04 Roel Kersten CIS00085677: GBE: DCM builds shall check owner of stream.  
## 2008-08-25 Roel Kersten CIS00087478: GBE: TicsStreamReconfigures should rebase to  
## recommended baseline  
## 2009-09-28 Roel Kersten CIS00125673: GBE: Think of way to perform a more efficient  
## TICS run  
#####
```

```
## Only the owner of stream shall modify stream  
.CheckStreamOwner
```

```
## Reconfigure the read-only TICS stream  
.TicsStreamReconfigure [ViewTag]
```

```
## Update the TICS view  
.UpdateView [ViewTag]
```

```
## Remove private elements in view  
.RemovePrivateElements [SubSystemRoot]
```

```
## execute all developer build actions  
dev_build.scm
```

```
## Run TICS  
.tics [ViewTag] [TicsDatabase], ExecuteAlways=true
```

```
## Disable e-mail notification in [TicsFinalizeOnly] mode  
## (A workaround for GBE Engine's shortcoming regarding conditional flows)
```

```
.DisableNotify4TicsFinalizeOnly, ExecuteAlways=true
```

```
## Notify TICS users
```

```
.NotifyUsers [TicsEmailSuccess] [TicsEmailFail] [SmtplibRelay], ExecuteAlways=true
```

```
#####
```

```
##
```

```
## auto_build.scm
```

```
## .
```

```
## Generic scenario that performs all actions that are necessary
```

```
## for an "automatic build".
```

```
##
```

```
## History:
```

```
## 2008-03-12 Roel Kersten Initial version
```

```
#####
```

```
## Are there any new deliveries?
```

```
.DetectNewDeliveries
```

```
## Call the clustered SCM build actions
```

```
## if previous action failed, it is skipped
```

```
scm_build.scm
```

```
:: This script is a wrapper script to build
```

```
:: The 'embedded' part of POS
```

```
:: It merely calls 'gc_all.cmd' and exits with the ERRORLEVEL of that script
```

```
::
```

```
:: History:
```

```
:: 2008-01-17 v0.1 Roel Kersten - Initial version
```

```
:: 2008-09-29 v0.2 Sebastiaan van der Hoest - Calls .cmd instead of .btm (4NT) script
```

```
@echo off
```

```
setlocal
```

```
:: Build embedded
```

```
cd \uPOS\POS\tools\bt\cmd\
```

```
call gc_all.cmd
```

```
:: exit and return the error code
```

```
exit /B ERRORLEVEL
```

```
:: This script is a wrapper script to build
```

```
:: The 'host' part of POS
```

```
:: It merely calls 'bt_proj.cmd All' and exits with the ERRORLEVEL of that script
```

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CONTAINING TRADE SECRETS)

**NOTE: The computer program which is the subject of the copyright claim contains trade
secret material.**


```

; Project specific build tooling to run the GBE for POS
;
; History:
;   2008-01-17   v0.1   Roel Kersten       - Initial version
;   2008-04-18 v0.2   Roel Kersten       - GBE v1.2.0, RemovePrivatePOSFiles.pl deleted
;   2008-09-30 v0.3   Sebastiaan van der Hoest - Removed 4NT wrapper

```

```

; POS specific tool that generates 'gc_version.def'
[GenGcVersionDef]
ActionTool=GenGcVersionDef.pl

```

```

@echo off
rem #####
rem ###
rem ### Philips Medical Systems B.V. (C) 2008
rem ### All rights reserved
rem ###
rem ### CheckMappedDrive
rem ###
rem ### Checks whether the current working directory is a mapped drive letter
rem ### by looking if "uPOS" exists in the root.
rem ### If this is run from t:\<viewtag> this check will fail
rem ###
rem ### returns: 0 if mapped
rem ###      1 otherwise
rem ###
rem #####

```

```
setlocal
```

```
FOR /F "usebackq" %%i IN (`clearTool pwv -s`) DO set ViewTag=%%i
```

```
if not exist "\uPOS" (
```

```

    echo Error: Build should be run from a mapped drive.
    echo     Map your view first and start this script from there.
    echo     E.g., "subst y: t:\%ViewTag%"
    exit /b 1

```

```
)
```

```
exit /b 0
```

```

; This ini-file is a template of settings needed for
; setting up builds for your project
; Copy this file into your project's Build directory

```

```

; and change settings for your project
;
[settings]
;
; Required by Engine
;
ContinueOnError=false
DebugStep=false
;
; Global ActionTool settings
;
ScmExecToolTrace=0
Preview=false
;
; Declarations (these settings need to be overwritten)
;
SubSystemRoot=
ViewTag=
MsiVersion=
;
; Project variables
;
ProjectName=Innova
SubsysName=POS
BodyComponent=POS-uPOS@\projCIS
InterfaceComponent=POS-uCompPublic@\projCIS
;
; TICS
;
TicsDatabase=POS_Innova
TicsEmailSuccess=rob.schreurs@philips.com,sander.mathijssen@philips.com
TicsEmailFail=rob.schreurs@philips.com,sander.mathijssen@philips.com,dl_BST_CV_DCM@
philips.com
TicsBuildConfiguration=
;
; Logging and publishing
;
BuildDir=D:\buildresults\[ProjectName]\[ViewTag]
LogDir=[BuildDir]\Logging
DeliverDir=[BuildDir]\Binaries
RequiredFreeMB=500
PublishRoot=\\nlybstqvp4ms038\Publish
;
; Compile settings for Visual Studio
;
BuildAction=rebuild

```

```

BuildConfiguration=release
;
; For CreateMsiFile
;
BinRoot=c:
DataRoot=[SubSystemRoot]
MsiTargetFolder=[DeliverDir]
SimulateCreateMsiFile=false
SubSystemName=PMS_POS
SubSystemVersion=[MsiVersion]
;
; For NotifyUsers
;
ToListOnSuccess=dl_BST_iXR_Positioning_Flexmove_SW@philips.com,rob.schreurs@philips.com
ToListOnFailed=dl_BST_iXR_Positioning_Flexmove_SW@philips.com,rob.schreurs@philips.com,dl_BST_CV_DCM@philips.com
SmtMailRelay=mailhub.best.ms.philips.com:25
FromAddress=Generic.Build.Environment@philips.com
;
; Team stream build settings
;
TeamPublishRoot=D:\Publish
TeamReqFreeMB=[RequiredFreeMB]
TeamToSuccess=dl_BST_iXR_Positioning_Flexmove_SW@philips.com,rob.schreurs@philips.com
TeamToFailed=dl_BST_iXR_Positioning_Flexmove_SW@philips.com,rob.schreurs@philips.com
;
; Custom settings
;
C_GENERIC_DIR=c:\generic
; Specify free disk space for d:\buildresults
RequiredFreeMBBuild=2000
; Specific copy location to start automated test from
NIGHTJOB_DIR="\proj3\P-cisontw\NightJob (Joris Eijsackers)\SyncDir\[StreamName]"
; define directory to store gc_version.def
GC_VERSION_DIR=[SubSystemRoot]\GeoCVEmb\id
;
;
; Use custom path settings
;
UseEnv=[SubSystemRoot]\Build\setvspath.cmd

@echo off

```



```

rem #####
rem ###
rem ### Philips Medical Systems B.V. (C) 2008
rem ### All rights reserved
rem ###
rem ### SAP build script
rem ###
rem ### This script runs a SAP build using the GBE
rem ### Typically a non ClearCase archive
rem ###
rem ### The following GBE::Blackboard settings are overwritten by this script:
rem ### o [MsiVersion] : Set to %1.%2.%3.%4
rem ### o [SubSystemRoot] : Set to %dp0\.. (i.e. parent dir of script dir)
rem ### o [BuildDir] : D:\buildresults\[ProjectName]\SAP_[MsiVersion]_%DATE%
rem ###
rem ### Scenario: dev_build.scm
rem ### Settings: GBE.ini
rem ###
rem ### Arguments:
rem ### %1 MSI_VERSION_PRODUCT
rem ### %2 MSI_VERSION_INTERFACE
rem ### %3 MSI_VERSION_BODY
rem ### %4 MSI_VERSION_WEEKNR
rem ###
rem ### History:
rem ### 2008-03-12 Roel Kersten Initial version
rem ### 2008-03-21 Roel Kersten Added %CDM_TOOLS% and %SRT_TOOLS% for
Rocket projects
rem ### 2008-05-28 Roel Kersten CIS00079790: Implement GBE 1.2 for Sojourner
rem #####

```

```
setlocal
```

```

rem ## Are we running from a mapped drive?
call CheckMappedDrive.cmd
if %ERRORLEVEL% NEQ 0 ( goto :ErrorBuild )

```

```

rem ###
rem ### Verify that all needed arguments to start the SCM build are supplied
rem ###
@if "%4"==" " @(
    @echo You invoked ths script with the following command line parameters: %*
    rem %
    @echo Missing commandline parameters.
    @echo Please invoke this script with these command line parameters:
    @echo Product Interface Body Weeknr

```

```
@echo.
@goto :ErrorBuild
)
```

```
rem #####
rem ### Generic environment variables
rem #####
```

```
rem SCM_ID is necessary for embedded code
set SCM_ID=(%1,%2,%3,0)
rem %
```

```
rem Overwrite MsiVersion in Blackboard
set GBE_MsiVersion=%1.%2.%3.%4
```

```
rem Overwrite SubSystemRoot
set GBE_SubSystemRoot=%~dp0..
rem %
```

```
rem Next EV's are necessary for projects that use
rem Tools-CVPub, i.e. "Rocket" projects
set CMD_TOOLS=U:\tools\commands
set SRT_TOOLS=U:\tools\tabledriven
```

```
rem Overwrite BuildDir
set GBE_BuildDir=D:\buildresults\[ProjectName]\SAP_[MsiVersion]_%DATE%
```

```
set toolpath=..\..\uCompScmDev\Build\Engine\Src
```

```
rem #####
rem ### Start the build
rem #####
:Startbuild
perl -w "%toolpath%\ScmExec.pl" dev_build.scm
if %ERRORLEVEL% EQU 0 (
  goto :FinishBuild
) ELSE (
  goto :ErrorBuild
)
```

```
REM
#####
REM ### Error handler(s)
REM
#####
:ErrorBuild
```

```
echo.  
echo Developer build script finished with errors!  
exit /b 1  
echo.
```

```
:FinishBuild  
echo.  
echo Developer build script finished successfully  
exit /b 0  
echo.  
endlocal
```

```
REM  
#####  
REM ### End of script  
REM  
#####
```

```
@echo off
```

```
rem #####  
rem ###  
rem ### Philips Medical Systems B.V. (C) 2008  
rem ### All rights reserved  
rem ###  
rem ### TICS build script  
rem ###  
rem ### This script runs a TICS build using the GBE  
rem ###  
rem ### Options:  
rem ### /Force Forces a build + TICS run (regardless of reconfigure)  
rem ### /Recalc Forces a build + TICS  
recalculate run  
rem ###  
rem ### The following GBE::Blackboard settings are overwritten by this script:  
rem ### o [ViewTag] : Set to the current view  
rem ### o [SubSystemRoot] : Set to %dp0\.. (i.e. parent dir of script dir)  
rem ### o [MsiVersion] : Set to 0.0.0.0  
rem ### o [SimulateCreateMsiFile] : Set to TRUE (Simulate MSI creation)  
rem ### o [TicsReconfigureIgnore] : Set to TRUE if '/Force' or '/Recalc'  
rem ### o [TicsRecalculate] : Set to TRUE if '/Recalc'  
rem ###  
rem ### Note: This script runs only on a read-only stream  
rem ###  
rem ### Scenario: TICS_build.scn  
rem ### Settings: GBE.ini
```



```

rem ###
rem ### Arguments:
rem ### None
rem ###
rem ### History:
rem ### 2008-03-12 Roel Kersten Initial version
rem ### 2008-03-21 Roel Kersten Added %CDM_TOOLS% and %SRT_TOOLS% for
Rocket projects
rem ### 2008-08-05 Roel Kersten CIS00085680: GBE: Support for snapshot views in generic
build scripts
rem ### 2008-08-25 Roel Kersten CIS00087478: GBE: TicsStreamReconfigures should
rebase to recommended baseline
rem #####

setlocal

rem ## Are we running from a mapped drive?
call CheckMappedDrive.cmd
if %ERRORLEVEL% NEQ 0 ( goto :ErrorBuild )

rem #####
rem ### Generic environment variables
rem #####

rem ## /Recalc mode
if /I "%1" == "/Recalc" (
  shift /1
  set GBE_TicsReconfigureIgnore=true
  set GBE_TicsRecalculate=true
) else if /I "%1" == "/Force" (
rem ## /Force mode
  shift /1
  set GBE_TicsReconfigureIgnore=true
)

rem no other arguments
if NOT "%1" == "" (
  echo syntax^: TICS_build.cmd ^[/Force ^|/Recalc^]
  exit /b 1
)

rem Overwrite SubSystemRoot
set GBE_SubSystemRoot=%~dp0..
rem %

rem SCM_ID is necessary for embedded code

```

```

set SCM_ID=(0,0,0,0)
rem %

rem Overwrite MsiVersion in Blackboard
set GBE_MsiVersion=0.0.0.0

rem Overwrite SimulateCreateMsiFile in Blackboard
rem Developers do not have to create an MSI
set GBE_SimulateCreateMsiFile=true

rem Next EV's are necessary for projects that use
rem Tools-CVPub, i.e. "Rocket" projects
set CMD_TOOLS=U:\tools\commands
set SRT_TOOLS=U:\tools\tabledriven

FOR /F "usebackq" %%i IN (`ClearTool pww -s`) DO set GBE_ViewTag=%%i
rem %

set toolpath=..\..\..\uCompScmDev\Build\Engine\Src

rem #####
rem ### Start the build
rem #####
:Startbuild
perl -w "%toolpath%\ScmExec.pl" TICS_build.scm
if %ERRORLEVEL% EQU 0 (
    goto :FinishBuild
) ELSE (
    goto :ErrorBuild
)

REM
#####
REM ### Error handler(s)
REM
#####
:ErrorBuild
echo.
echo TICS build script finished with errors!
exit /b 1
echo.

:FinishBuild
echo.
echo TICS build script finished successfully
exit /b 0

```

```
echo.  
endlocal
```

```
REM  
#####  
REM ### End of script  
REM  
#####
```

```
#####  
##  
## TICS_build.scm  
##  
## Generic scenario that performs all actions that are necessary  
## for a "TICS build".  
##  
## History:  
## 2008-03-12 Roel Kersten Initial version  
## 2008-03-25 Roel Kersten CIS00074798: Add optional parameter to TICS action tool  
## 2008-08-04 Roel Kersten CIS00085677: GBE: DCM builds shall check owner of stream.  
## 2008-08-25 Roel Kersten CIS00087478: GBE: TicsStreamReconfigures should rebase to  
## recommended baseline  
## 2009-09-28 Roel Kersten CIS00125673: GBE: Think of way to perform a more efficient  
## TICS run  
#####
```

```
## Only the owner of stream shall modify stream  
.CheckStreamOwner
```

```
## Reconfigure the read-only TICS stream  
.TicsStreamReconfigure [ViewTag]
```

```
## Update the TICS view  
.UpdateView [ViewTag]
```

```
## Remove private elements in view  
.RemovePrivateElements [SubSystemRoot]
```

```
## execute all developer build actions  
dev_build.scm
```

```
## Run TICS  
.tics [ViewTag] [TicsDatabase], ExecuteAlways=true
```

```
## Disable e-mail notification in [TicsFinalizeOnly] mode  
## (A workaround for GBE Engine's shortcoming regarding conditional flows)
```



```

.DisableNotify4TicsFinalizeOnly, ExecuteAlways=true

## Notify TICS users
.NotifyUsers [TicsEmailSuccess] [TicsEmailFail] [SmtpMailRelay], ExecuteAlways=true

#####
##
## auto_build.scm
##
## Generic scenario that performs all actions that are necessary
## for an "automatic build".
##
## History:
## 2008-03-12 Roel Kersten Initial version
#####

## Are there any new deliveries?
.DetectNewDeliveries

## Call the clustered SCM build actions
## if previous action failed, it is skipped
scm_build.scm

:: This script is a wrapper script to build
:: The 'embedded' part of POS
:: It merely calls 'gc_all.cmd' and exits with the ERRORLEVEL of that script
::
:: History:
:: 2008-01-17 v0.1 Roel Kersten - Initial version
:: 2008-09-29 v0.2 Sebastiaan van der Hoest - Calls .cmd instead of .btm (4NT) script

@echo off
setlocal

:: Build embedded
cd \uPOS\POS\tools\bt\cmd\
call gc_all.cmd

:: exit and return the error code
exit /B ERRORLEVEL

:: This script is a wrapper script to build
:: The 'host' part of POS
:: It merely calls 'bt_proj.cmd All' and exits with the ERRORLEVEL of that script

```

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DEPOSIT – LAST 10 PAGES
(COMPUTER PROGRAM
CONTAINING TRADE SECRETS)

**NOTE: The computer program which is the subject of the copyright claim contains trade
secret material.**

```

    "XDDSServiceTypeImageDetectionLateral",
    "XDDSServiceTypeImageProcessingFrontal",
    "XDDSServiceTypeImageProcessingLateral",
    "XDDSServiceTypeSequencing"
};

```

```
using namespace std;
```

```
/// Connects to XDDS service and reports a list of all XDDS devices that it has found. At the
same time a
```

```
/// check against the test IP is made to see whether the XDDS service has found the device under
test.
```

```
/// @param strTestIP - The IP address of the XDDS device to search for. If nullstring then no test
is performed.
```

```
/// @returns - true if the test IP is found (or if strTestIP is empty), else false.
```

```
bool RunTest(string strTestIP)
```

```

{
    bool bRet = false;
    wstring wstrTestIP(L "");
    IXDDS *pXDDS = NULL;
    IXDDSService *pXDDSService = NULL;
    HRESULT hr = NULL;

    if (strTestIP == "")
        bRet = true;
    else
    {
        //convert to wstring
        wstrTestIP.assign(strTestIP.begin(),strTestIP.end());
    }
    hr = CoCreateInstance(CLSID_COXDDSService, NULL, CLSCTX_ALL, IID_IXDDS,
(void**) &pXDDS);
    if (!SUCCEEDED(hr))
    {
        stringstream strstrError;
        strstrError << "Failed to create XDDS Service COM object (" <<
_com_error(hr).ErrorMessage() << ")";
        throw runtime_error(strstrError.str());
    }

    hr = pXDDS->QueryInterface(IID_IXDDSService,
(void**) &pXDDSService);

```



```

if (!SUCCEEDED(hr))
{
    stringstream strstrError;
    strstrError << "Failed to create XDDS Service COM object (" <<
_com_error(hr).ErrorMessage() << ")";
    pXDDS->Release();
    throw runtime_error(strstrError.str());
}

try
{
    //query XDDS service for device list
    BSTR bstrDeviceID = NULL;
    XDDSResultEnum eXDDSResult = XDDSResultUndefined;

    hr = pXDDSFieldService->GetFirstDeviceID(&bstrDeviceID, &eXDDSResult);
    if (!SUCCEEDED(hr))
        throw runtime_error(string("Failed to query XDDS service (" +
_com_error(hr).ErrorMessage() + ")"));

    if (eXDDSResult != XDDSResultSuccess)
    {
        cout << "No devices found" << endl;
    }
    else
    {
        while(eXDDSResult == XDDSResultSuccess)
        {
            BSTR bstrTemp = NULL;
            XDDSDeviceTypeEnum eXDDSDeviceType =
XDDSDeviceTypeUndefined;
            XDDSServiceTypeEnum *peXDDSServiceTypes = NULL;
            long lNofServices = 0;

            wstring wstrDeviceID = bstrDeviceID;
            wstring wstrMACAddr;
            wstring wstrIPAddr;

            //Get device type
            hr = pXDDS->GetDeviceType(bstrDeviceID,
&eXDDSDeviceType, &eXDDSResult);
            if (!(SUCCEEDED(hr) && eXDDSResult ==
XDDSResultSuccess))
                throw runtime_error("Error retrieving MAC Address");

            //Get device IP

```

```

        hr = pXDDS->GetIPAddress(bstrDeviceID, &bstrTemp,
&eXDDSResult);
        if (!(SUCCEEDED(hr) && eXDDSResult ==
XDDSResultSuccess))
            throw runtime_error("Error retrieving IP Address");

        wstrIPAddr = bstrTemp;
        ::SysFreeString(bstrTemp);

        //Get device MAC
        hr = pXDDS->GetMACAddress(bstrDeviceID, &bstrTemp,
&eXDDSResult);
        if (!(SUCCEEDED(hr) && eXDDSResult ==
XDDSResultSuccess))
            throw runtime_error("Error retrieving MAC Address");

        wstrMACAddr = bstrTemp;
        ::SysFreeString(bstrTemp);

        wcout << L"Device ID : " << wstrDeviceID << endl;
        cout << "Device Type : " <<
g_ppchDeviceTypeNames[eXDDSDeviceType] << endl;
        wcout << L"MAC Address : " << wstrMACAddr << endl;
        wcout << L"IP Address : " << wstrIPAddr << endl << endl;

        if ((wstrIPAddr == wstrTestIP) && (eXDDSDeviceType ==
XDDSDeviceTypeID))
            bRet = true;
        //get next device
        hr = pXDDSFieldService->GetNextDeviceID(&bstrDeviceID,
&eXDDSResult);
        if (!(SUCCEEDED(hr))
            throw runtime_error(string("Failed to query XDDS service
(") + _com_error(hr).ErrorMessage() + "));
    }
}
}
catch (runtime_error &e)
{
    //release reference before rethrowing exception
    pXDDSFieldService->Release();
    pXDDS->Release();
    throw e;
}
//release references before returning

```

```
pXDDService->Release();
pXDDS->Release();
```

```
return bRet;
```

```
}
```

```
/// Application entry point
```

```
/// One command line parameter is accepted. This is the expected IP address of the FlashLite OS
```

```
int main(int argc, char *argv[])
```

```
{
```

```
    int iRet = 0;
```

```
    string strExpectedIP("");
```

```
    if (argc == 2)
```

```
        strExpectedIP = argv[1];
```

```
    HRESULT hr = CoInitializeEx((void*) NULL, COINIT_MULTITHREADED);
```

```
    if (!SUCCEEDED(hr))
```

```
    {
```

```
        cout << "Error initializing COM (errno: " << hr << ")" << endl;
```

```
    }
```

```
    try
```

```
    {
```

```
        iRet = RunTest(strExpectedIP)?0:1;
```

```
    }
```

```
    catch (runtime_error &e)
```

```
    {
```

```
        cout << "Error: " << e.what() << endl;
```

```
        CoUninitialize();
```

```
        cin.get();
```

```
        return 1;
```

```
    }
```

```
    catch (...)
```

```
    {
```

```
        cout << "Unhandled error" << endl;
```

```
        CoUninitialize();
```

```
    //    cin.get();
```

```
        return 1;
```

```
    }
```

```
    //cin.get();
```

```
    CoUninitialize();
```

```
    return iRet;
```

```
}
```

```
@echo off
```



```

rem #####
rem ###
rem ### Philips Medical Systems B.V. (C) 2008
rem ### All rights reserved
rem ###
rem ### Build script for Flashlite OS
rem ###
rem ### This script is used to initiate a build of the Pegasus OS.
rem ### The script is called from a Windows SDE and does the following:
rem ### 1. Copies the necessary files to a remote Linux build server
rem ### 2. Initiates a build on the remote server
rem ### 3. Copies the resulting files back to the Windows SDE
rem ### Usage:
rem ### scm_build.cmd [version_string]
rem ### where version_string that contains the necessary SCM version information of the build.
This
rem ### will ultimately be stored in a file called version.txt on the root partition of the resulting
OS image.
rem ### If no version info is provided the version information will result in a file with "test
version" as the contents
rem ###
rem ###
rem ### Arguments:
rem ###   None
rem ###
rem #####

setlocal
rem GLOBALS
set REMOTE_HOST=130.144.249.107
set REMOTE_USER=dev2
set REMOTE_PASS=L1nu\dev2
set PLINK=..\3rdparty\plink.exe
set PSCP=..\3rdparty\pscp.exe -scp
set LAYER_NAME=etx-target-HW-layer-b49
set OUTPUT_DIR=..\build

rem Create version file
echo %1% > version.txt
if %1%.==. echo test version > version.txt

rem prepare output directory
if exist %OUTPUT_DIR% rmdir /s /q %OUTPUT_DIR%
md %OUTPUT_DIR%

```

```

echo --Creating remote build environment
set REMOTE_BUILD_DIR=pegasus_build_%Date%_%Time: =0%
rem substitute all illegal linux file characters with legal ones.
set REMOTE_BUILD_DIR=%REMOTE_BUILD_DIR:=%
set REMOTE_BUILD_DIR=%REMOTE_BUILD_DIR: =_%
set REMOTE_BUILD_DIR=%REMOTE_BUILD_DIR:/=%

rem init plink to create remote SSH key in registry
echo y | %PLINK% -pw %REMOTE_PASS% %REMOTE_USER%@%REMOTE_HOST%
"echo"
if %ERRORLEVEL% NEQ 0 goto FailExit

echo --Creating remote build tree at
%REMOTE_USER%@%REMOTE_HOST%:~/%REMOTE_BUILD_DIR%/
%PLINK% -batch -pw %REMOTE_PASS% %REMOTE_USER%@%REMOTE_HOST%
"mkdir %REMOTE_BUILD_DIR%; cd %REMOTE_BUILD_DIR%; mkdir Builds Layers
Results Scripts"
if %ERRORLEVEL% NEQ 0 goto FailExit

echo --Copying build files to remote host
rem copy layer tarball
%PSCP% -batch -pw %REMOTE_PASS% ..\ETX-LX800\%LAYER_NAME%.tar.gz
%REMOTE_USER%@%REMOTE_HOST%:%REMOTE_BUILD_DIR%/Layers/
if %ERRORLEVEL% NEQ 0 goto FailExit

rem and unpack it
%PLINK% -batch -pw %REMOTE_PASS% %REMOTE_USER%@%REMOTE_HOST% "cd
%REMOTE_BUILD_DIR%/Layers; tar -xvzpf %LAYER_NAME%.tar.gz"
if %ERRORLEVEL% NEQ 0 goto FailExit
rem Copy remote script and 3rdparty tools
%PSCP% -batch -pw %REMOTE_PASS% buildPegasus.sh h_*.sh ..\3rdparty\tools.tar.gz
version.txt %REMOTE_USER%@%REMOTE_HOST%:%REMOTE_BUILD_DIR%/Scripts/
if %ERRORLEVEL% NEQ 0 goto FailExit
rem and 'unixify" the script
%PLINK% -batch -pw %REMOTE_PASS% %REMOTE_USER%@%REMOTE_HOST% "cd
%REMOTE_BUILD_DIR%/Scripts; dos2unix h_*.sh buildPegasus.sh version.txt; chmod a+x
*"
if %ERRORLEVEL% NEQ 0 goto FailExit
rem unpack tools
%PLINK% -batch -pw %REMOTE_PASS% %REMOTE_USER%@%REMOTE_HOST% "cd
%REMOTE_BUILD_DIR%/Scripts; tar -xzf tools.tar.gz"
if %ERRORLEVEL% NEQ 0 goto FailExit

```

```
rem %PLINK% -batch -pw %REMOTE_PASS% %REMOTE_USER%@%REMOTE_HOST%  
"cd %REMOTE_BUILD_DIR%; find ."
```

```
echo --Running remote build script
```

```
%PLINK% -batch -pw %REMOTE_PASS% %REMOTE_USER%@%REMOTE_HOST% "cd  
%REMOTE_BUILD_DIR%/Scripts; sh buildPegasus.sh --version_file=version.txt"
```

```
if %ERRORLEVEL% NEQ 0 goto FailExit
```

```
echo --Retrieving results
```

```
rem First zip Results up -- SCP link is slow so it is faster to compress and decompress either side
```

```
%PLINK% -batch -pw %REMOTE_PASS% %REMOTE_USER%@%REMOTE_HOST% "cd  
%REMOTE_BUILD_DIR%/Results; zip -r results.zip *"
```

```
if %ERRORLEVEL% NEQ 0 goto FailExit
```

```
%PSCP% -batch -pw %REMOTE_PASS%
```

```
%REMOTE_USER%@%REMOTE_HOST%:%REMOTE_BUILD_DIR%/Results/results.zip  
%OUTPUT_DIR%
```

```
if %ERRORLEVEL% NEQ 0 goto FailExit
```

```
pushd %OUTPUT_DIR%
```

```
unzip results.zip
```

```
del results.zip
```

```
popd
```

```
rem Also retrieve log file
```

```
%PSCP% -batch -pw %REMOTE_PASS%
```

```
%REMOTE_USER%@%REMOTE_HOST%:%REMOTE_BUILD_DIR%/Scripts/build.log  
%OUTPUT_DIR%
```

```
rem Also retrieve licenses file
```

```
rem %PSCP% -batch -pw %REMOTE_PASS%
```

```
%REMOTE_USER%@%REMOTE_HOST%:%REMOTE_BUILD_DIR%/Builds/%LAYER_  
NAME%/export/*pkg_licenses.txt %OUTPUT_DIR%
```

```
copy readme.txt %OUTPUT_DIR%\oss_export\
```

```
rem %PSCP% -batch -pw %REMOTE_PASS%
```

```
%REMOTE_USER%@%REMOTE_HOST%:%REMOTE_BUILD_DIR%/Results/target-  
logfs.img %OUTPUT_DIR%
```

```
rem %PSCP% -batch -pw %REMOTE_PASS%
```

```
%REMOTE_USER%@%REMOTE_HOST%:%REMOTE_BUILD_DIR%/Results/target-  
rootfs.img %OUTPUT_DIR%
```

```
rem %PSCP% -batch -pw %REMOTE_PASS%
```

```
%REMOTE_USER%@%REMOTE_HOST%:%REMOTE_BUILD_DIR%/Results/devel-  
logfs.img %OUTPUT_DIR%
```

```
rem %PSCP% -batch -pw %REMOTE_PASS%
```

```
%REMOTE_USER%@%REMOTE_HOST%:%REMOTE_BUILD_DIR%/Results/devel-  
rootfs.img %OUTPUT_DIR%
```

```
rem %PSCP% -batch -pw %REMOTE_PASS%
%REMOTE_USER%@%REMOTE_HOST%:%REMOTE_BUILD_DIR%/Scripts/build.log
%OUTPUT_DIR%
```

```
echo --Cleaning up remote build directory
%PLINK% -batch -pw %REMOTE_PASS% %REMOTE_USER%@%REMOTE_HOST% "rm
-rf %REMOTE_BUILD_DIR%"
```

```
endlocal
exit /B 0
```

```
:FailExit
endlocal
exit /B 1
```

```
@echo off
```

```
rem #####
rem ###
rem ### Philips Medical Systems B.V. (C) 2008
rem ### All rights reserved
rem ###
rem ### Verification script for Flashlite OS
rem ###
rem ### This script runs a series of tests on a Flashlite Unit in order to verify
rem ### the requirements of the OS. The script creates a report that is used to be
rem ### embedded in the Flashlite MVR
rem ###
rem ###
rem ### Arguments:
rem ###   None
rem ###
rem ### Assumptions: Assumes that the
rem ### History:
rem ### 2008-12-09 Francois Louw Initial version
rem #####
```

```
setlocal
```

```
rem #####
rem ### Global environment variables
rem #####
set FLASHLITE_IP=192.168.132.100
set USERNAME=root
set PASSWORD=P3g@zus
```



```

set LOG_FILE=Flashlite_OS_MVR.txt
set PLINK=..\3rdparty\plink.exe -l %USERNAME% -pw %PASSWORD%
set PSCP=..\3rdparty\pscp.exe -l %USERNAME% -pw %PASSWORD%

echo Flashlite OS Module Verification Report: Automatic Test Report > %LOG_FILE%

echo =====>>
%LOG_FILE%
echo .>> %LOG_FILE%
echo Checking network connectivity...>> %LOG_FILE%
ping -n 1 -w 100 %FLASHLITE_IP%
if %ERRORLEVEL% EQU 0 (
    echo PASS: Ping to %FLASHLITE_IP% successful >> %LOG_FILE%
) ELSE (
    echo FAIL: Ping to %FLASHLITE_IP% failed >> %LOG_FILE%
    goto fatalexit
)
echo .>> %LOG_FILE%
echo ^<MRS.OS.Service.Tools:SSH^> >> %LOG_FILE%
echo Checking SSH connection ... >> %LOG_FILE%
echo y | %PLINK% %FLASHLITE_IP% ls
if %ERRORLEVEL% EQU 0 (
    echo PASS: SSH connection to %FLASHLITE_IP% successful >> %LOG_FILE%
) ELSE (
    echo FAIL: SSH connection to %FLASHLITE_IP% failed >> %LOG_FILE%
    goto fatalexit
)
echo .>> %LOG_FILE%
set XDDS_TEST_RESULT=0
echo ^<MRS.OS.Upnp^> >> %LOG_FILE%
echo Checking XDDS functionality ... >> %LOG_FILE%
XDDS_Test\Release\XDDS_Test %FLASHLITE_IP%
if %ERRORLEVEL% EQU 0 (
    echo PASS: FlashLite correctly detected through XDDS protocol >>
%LOG_FILE%
) ELSE (
    echo FAIL: Failed to find FlashLite through XDDS protocol >> %LOG_FILE%
    set XDDS_TEST_RESULT=1
)
echo .>> %LOG_FILE%
echo Checking whether writable area on remote OS ... >> %LOG_FILE%
%PLINK% %FLASHLITE_IP% touch /tmp/os_test.stamp
if %ERRORLEVEL% EQU 0 (
    echo PASS: /tmp on DUT is writable >> %LOG_FILE%

```

```

) ELSE (
  echo   FAIL: /tmp on DUT is not writable >> %LOG_FILE%
  goto fatalexit
)

echo . >> %LOG_FILE%
echo Copying remote test script to remote OS ... >> %LOG_FILE%
%PSCP% FlashliteOSVerify.sh %FLASHLITE_IP%:/tmp/
if %ERRORLEVEL% EQU 0 (
  echo   PASS: script copied to %FLASHLITE_IP%:/tmp/ >> %LOG_FILE%
) ELSE (
  echo   FAIL: failed to copy script to %FLASHLITE_IP%:/tmp/ >> %LOG_FILE%
  goto fatalexit
)

rem Pre-conditions for running remote test are met so now execute remote script
echo . >> %LOG_FILE%
echo Running remote script ... >> %LOG_FILE%
%PLINK% %FLASHLITE_IP% "cd /tmp/; sh FlashliteOSVerify.sh"
set REMOTE_EXIT_LVL=%ERRORLEVEL%
if %REMOTE_EXIT_LVL% EQU 0 (
  echo   PASS: remote script completed without errors >> %LOG_FILE%
) ELSE (
  echo   FAIL: remote script completed with errors >> %LOG_FILE%
)

echo . >> %LOG_FILE%
echo Appending log of remote test script: >> %LOG_FILE%
%PLINK% %FLASHLITE_IP% "cd /tmp/; cat FlashliteOSVerify.log" >> %LOG_FILE%

if %ERRORLEVEL% NEQ 0 (
  echo FAIL: Failed to cat remote log file
  goto fatalexit
)

if %XDDS_TEST_RESULT% EQU 0 (
  exit /B %REMOTE_EXIT_LVL%
) ELSE (
  exit /B %XDDS_TEST_RESULT%
)

:fatalexit
echo Fatal error cannot continue test ... exiting
echo Fatal error cannot continue test ... exiting >> %LOG_FILE%
exit /B 1

```

ALLURA XPER VERSION 7.8.0
DEPOSIT – LAST 10 PAGES
(COMPUTER PROGRAM
CONTAINING TRADE SECRETS)

**NOTE: The computer program which is the subject of the copyright claim contains trade
secret material.**

```

    "XDDSServiceTypeImageDetectionLateral",
    "XDDSServiceTypeImageProcessingFrontal",
    "XDDSServiceTypeImageProcessingLateral",
    "XDDSServiceTypeSequencing"
};

```

```

using namespace std;
// Connects to XDDS service and reports a list of all XDDS devices that it has found. At the
// same time a
// check against the test IP is made to see whether the XDDS service has found the device under
// test.
// @param strTestIP - The IP address of the XDDS device to search for. If nullstring then no test
// is performed.
// @returns - true if the test IP is found (or if strTestIP is empty), else false.
bool RunTest(string strTestIP)
{
    bool bRet = false;
    wstring wstrTestIP(L "");
    IXDDS *pXDDS = NULL;
    IXDDSService *pXDDSService = NULL;
    HRESULT hr = NULL;

    if (strTestIP == "")
        bRet = true;
    else
    {
        //convert to wstring
        wstrTestIP.assign(strTestIP.begin(),strTestIP.end());
    }
    hr = CoCreateInstance(CLSID_COXDDSService, NULL, CLSCTX_ALL, IID_IXDDS,
(void**)&pXDDS);
    if (!SUCCEEDED(hr))
    {
        stringstream strstrError;
        strstrError << "Failed to create XDDS Service COM object (" <<
_com_error(hr).ErrorMessage() << ")";
        throw runtime_error(strstrError.str());
    }

    hr = pXDDS->QueryInterface(IID_IXDDSService,
(void**)&pXDDSService);

```



```

if (!SUCCEEDED(hr))
{
    stringstream strstrError;
    strstrError << "Failed to create XDDS Service COM object (" <<
_com_error(hr).ErrorMessage() << ")";
    pXDDS->Release();
    throw runtime_error(strstrError.str());
}

try
{
    //query XDDS service for device list
    BSTR bstrDeviceID = NULL;
    XDDSResultEnum eXDDSResult = XDDSResultUndefined;

    hr = pXDDSFieldService->GetFirstDeviceID(&bstrDeviceID, &eXDDSResult);
    if (!SUCCEEDED(hr))
        throw runtime_error(string("Failed to query XDDS service (" +
_com_error(hr).ErrorMessage() + ")");

    if (eXDDSResult != XDDSResultSuccess)
    {
        cout << "No devices found" << endl;
    }
    else
    {
        while(eXDDSResult == XDDSResultSuccess)
        {
            BSTR bstrTemp = NULL;
            XDDSDeviceTypeEnum eXDDSDeviceType =
XDDSDeviceTypeUndefined;
            XDDSServiceTypeEnum *peXDDSServiceTypes = NULL;
            long lNofServices = 0;

            wstring wstrDeviceID = bstrDeviceID;
            wstring wstrMACAddr;
            wstring wstrIPAddr;

            //Get device type
            hr = pXDDS->GetDeviceType(bstrDeviceID,
&eXDDSDeviceType, &eXDDSResult);
            if (!(SUCCEEDED(hr) && eXDDSResult ==
XDDSResultSuccess))

                throw runtime_error("Error retrieving MAC Address");

            //Get device IP

```

```

        hr = pXDDS->GetIPAddress(bstrDeviceID, &bstrTemp,
&eXDDSResult);
XDDSResultSuccess))
        if (!(SUCCEEDED(hr) && eXDDSResult ==
                throw runtime_error("Error retrieving IP Address");

        wstrIPAddr = bstrTemp;
        ::SysFreeString(bstrTemp);

        //Get device MAC
        hr = pXDDS->GetMACAddress(bstrDeviceID, &bstrTemp,
&eXDDSResult);
XDDSResultSuccess))
        if (!(SUCCEEDED(hr) && eXDDSResult ==
                throw runtime_error("Error retrieving MAC Address");

        wstrMACAddr = bstrTemp;
        ::SysFreeString(bstrTemp);

        wcout << L"Device ID : " << wstrDeviceID << endl;
        cout << "Device Type : " <<
g_ppchDeviceTypeNames[eXDDSDeviceType] << endl;
        wcout << L"MAC Address : " << wstrMACAddr << endl;
        wcout << L"IP Address : " << wstrIPAddr << endl << endl;

        if ((wstrIPAddr == wstrTestIP) && (eXDDSDeviceType ==
XDDSDeviceTypeID))
                bRet = true;
        //get next device
        hr = pXDDSFieldService->GetNextDeviceID(&bstrDeviceID,
&eXDDSResult);
        if (!SUCCEEDED(hr))
                throw runtime_error(string("Failed to query XDDS service
(") + _com_error(hr).ErrorMessage() + "));
    }
}
}
catch (runtime_error &e)
{
    //release reference before rethrowing exception
    pXDDSFieldService->Release();
    pXDDS->Release();
    throw e;
}
//release references before returning

```

```

    pXDDService->Release();
    pXDDS->Release();

    return bRet;
}

// Application entry point
// One command line parameter is accepted. This is the expected IP address of the FlashLite OS
int main(int argc, char *argv[])
{
    int iRet = 0;
    string strExpectedIP("");
    if (argc == 2)
        strExpectedIP = argv[1];
    HRESULT hr = CoInitializeEx((void*) NULL, COINIT_MULTITHREADED);
    if (!SUCCEEDED(hr))
    {
        cout << "Error initializing COM (errno: " << hr << ")" << endl;
    }

    try
    {
        iRet = RunTest(strExpectedIP)?0:1;
    }
    catch (runtime_error &e)
    {
        cout << "Error: " << e.what() << endl;
        CoUninitialize();
        cin.get();
        return 1;
    }
    catch (...)
    {
        cout << "Unhandled error" << endl;
        CoUninitialize();
        // cin.get();
        return 1;
    }
    //cin.get();
    CoUninitialize();

    return iRet;
}

```

@echo off

```

rem #####
rem ###
rem ### Philips Medical Systems B.V. (C) 2008
rem ### All rights reserved
rem ###
rem ### Build script for Flashlite OS
rem ###
rem ### This script is used to initiate a build of the Pegasus OS.
rem ### The script is called from a Windows SDE and does the following:
rem ### 1. Copies the necessary files to a remote Linux build server
rem ### 2. Initiates a build on the remote server
rem ### 3. Copies the resulting files back to the Windows SDE
rem ### Usage:
rem ### scm_build.cmd [version_string]
rem ### where version_string that contains the necessary SCM version information of the build.
This
rem ### will ultimately be stored in a file called version.txt on the root partition of the resulting
OS image.
rem ### If no version info is provided the version information will result in a file with "test
version" as the contents
rem ###
rem ###
rem ### Arguments:
rem ###     None
rem ###
rem #####

```

```

setlocal
rem GLOBALS
set REMOTE_HOST=130.144.249.107
set REMOTE_USER=dev2
set REMOTE_PASS=L1nu\dev2
set PLINK=..\3rdparty\plink.exe
set PSCP=..\3rdparty\pscp.exe -scp
set LAYER_NAME=etx-target-HW-layer-b49
set OUTPUT_DIR=..\build

```

```

rem Create version file
echo %1% > version.txt
if %1%.==. echo test version > version.txt

```

```

rem prepare output directory
if exist %OUTPUT_DIR% rmdir /s /q %OUTPUT_DIR%
md %OUTPUT_DIR%

```



```

echo --Creating remote build environment
set REMOTE_BUILD_DIR=pegasus_build_%Date%_%Time: =0%
rem substitute all illegal linux file characters with legal ones.
set REMOTE_BUILD_DIR=%REMOTE_BUILD_DIR:|=.%
set REMOTE_BUILD_DIR=%REMOTE_BUILD_DIR: =_%
set REMOTE_BUILD_DIR=%REMOTE_BUILD_DIR:/=.%

rem init plink to create remote SSH key in registry
echo y | %PLINK% -pw %REMOTE_PASS% %REMOTE_USER%@%REMOTE_HOST%
"echo"
if %ERRORLEVEL% NEQ 0 goto FailExit

echo --Creating remote build tree at
%REMOTE_USER%@%REMOTE_HOST%:~/REMOTE_BUILD_DIR%/
%PLINK% -batch -pw %REMOTE_PASS% %REMOTE_USER%@%REMOTE_HOST%
"mkdir %REMOTE_BUILD_DIR%; cd %REMOTE_BUILD_DIR%; mkdir Builds Layers
Results Scripts"
if %ERRORLEVEL% NEQ 0 goto FailExit

echo --Copying build files to remote host
rem copy layer tarball
%PSCP% -batch -pw %REMOTE_PASS% ..\ETX-LX800\%LAYER_NAME%.tar.gz
%REMOTE_USER%@%REMOTE_HOST%:%REMOTE_BUILD_DIR%/Layers/
if %ERRORLEVEL% NEQ 0 goto FailExit

rem and unpack it
%PLINK% -batch -pw %REMOTE_PASS% %REMOTE_USER%@%REMOTE_HOST% "cd
%REMOTE_BUILD_DIR%/Layers; tar -xvzpf %LAYER_NAME%.tar.gz"
if %ERRORLEVEL% NEQ 0 goto FailExit
rem Copy remote script and 3rdparty tools
%PSCP% -batch -pw %REMOTE_PASS% buildPegasus.sh h_*.sh ..\3rdparty\tools.tar.gz
version.txt %REMOTE_USER%@%REMOTE_HOST%:%REMOTE_BUILD_DIR%/Scripts/
if %ERRORLEVEL% NEQ 0 goto FailExit
rem and 'unixify' the script
%PLINK% -batch -pw %REMOTE_PASS% %REMOTE_USER%@%REMOTE_HOST% "cd
%REMOTE_BUILD_DIR%/Scripts; dos2unix h_*.sh buildPegasus.sh version.txt; chmod a+x
*"
if %ERRORLEVEL% NEQ 0 goto FailExit
rem unpack tools
%PLINK% -batch -pw %REMOTE_PASS% %REMOTE_USER%@%REMOTE_HOST% "cd
%REMOTE_BUILD_DIR%/Scripts; tar -xzf tools.tar.gz"
if %ERRORLEVEL% NEQ 0 goto FailExit

```

```
rem %PLINK% -batch -pw %REMOTE_PASS% %REMOTE_USER%@%REMOTE_HOST%  
"cd %REMOTE_BUILD_DIR%; find ."
```

```
echo --Running remote build script  
%PLINK% -batch -pw %REMOTE_PASS% %REMOTE_USER%@%REMOTE_HOST% "cd  
%REMOTE_BUILD_DIR%/Scripts; sh buildPegasus.sh --version_file=version.txt"  
if %ERRORLEVEL% NEQ 0 goto FailExit  
echo --Retrieving results  
rem First zip Results up -- SCP link is slow so it is faster to compress and decompress either side  
%PLINK% -batch -pw %REMOTE_PASS% %REMOTE_USER%@%REMOTE_HOST% "cd  
%REMOTE_BUILD_DIR%/Results; zip -r results.zip *"  
if %ERRORLEVEL% NEQ 0 goto FailExit  
%PSCP% -batch -pw %REMOTE_PASS%  
%REMOTE_USER%@%REMOTE_HOST%:%REMOTE_BUILD_DIR%/Results/results.zip  
%OUTPUT_DIR%  
if %ERRORLEVEL% NEQ 0 goto FailExit  
pushd %OUTPUT_DIR%  
unzip results.zip  
del results.zip  
popd
```

```
rem Also retrieve log file  
%PSCP% -batch -pw %REMOTE_PASS%  
%REMOTE_USER%@%REMOTE_HOST%:%REMOTE_BUILD_DIR%/Scripts/build.log  
%OUTPUT_DIR%  
rem Also retrieve licenses file  
rem %PSCP% -batch -pw %REMOTE_PASS%  
%REMOTE_USER%@%REMOTE_HOST%:%REMOTE_BUILD_DIR%/Builds/%LAYER_  
NAME%/export/*pkg_licenses.txt %OUTPUT_DIR%
```

```
copy readme.txt %OUTPUT_DIR%\loss_export\
```

```
rem %PSCP% -batch -pw %REMOTE_PASS%  
%REMOTE_USER%@%REMOTE_HOST%:%REMOTE_BUILD_DIR%/Results/target-  
logfs.img %OUTPUT_DIR%  
rem %PSCP% -batch -pw %REMOTE_PASS%  
%REMOTE_USER%@%REMOTE_HOST%:%REMOTE_BUILD_DIR%/Results/target-  
rootfs.img %OUTPUT_DIR%  
rem %PSCP% -batch -pw %REMOTE_PASS%  
%REMOTE_USER%@%REMOTE_HOST%:%REMOTE_BUILD_DIR%/Results/devel-  
logfs.img %OUTPUT_DIR%  
rem %PSCP% -batch -pw %REMOTE_PASS%  
%REMOTE_USER%@%REMOTE_HOST%:%REMOTE_BUILD_DIR%/Results/devel-  
rootfs.img %OUTPUT_DIR%
```

```
rem %PSCP% -batch -pw %REMOTE_PASS%
%REMOTE_USER%@%REMOTE_HOST%:%REMOTE_BUILD_DIR%/Scripts/build.log
%OUTPUT_DIR%
```

```
echo --Cleaning up remote build directory
%PLINK% -batch -pw %REMOTE_PASS% %REMOTE_USER%@%REMOTE_HOST% "rm
-rf %REMOTE_BUILD_DIR%"
```

```
endlocal
exit /B 0
```

```
:FailExit
endlocal
exit /B 1
```

```
@echo off
```

```
rem #####
rem ###
rem ### Philips Medical Systems B.V. (C) 2008
rem ### All rights reserved
rem ###
rem ### Verification script for Flashlite OS
rem ###
rem ### This script runs a series of tests on a Flashlite Unit in order to verify
rem ### the requirements of the OS. The script creates a report that is used to be
rem ### embedded in the Flashlite MVR
rem ###
rem ###
rem ### Arguments:
rem ### None
rem ###
rem ### Assumptions: Assumes that the
rem ### History:
rem ### 2008-12-09 Francois Louw Initial version
rem #####
```

```
setlocal
```

```
rem #####
rem ### Global environment variables
rem #####
set FLASHLITE_IP=192.168.132.100
set USERNAME=root
set PASSWORD=P3g@zus
```

```
rem %PSCP% -batch -pw %REMOTE_PASS%
%REMOTE_USER%@%REMOTE_HOST%:%REMOTE_BUILD_DIR%/Scripts/build.log
%OUTPUT_DIR%
```

```
echo --Cleaning up remote build directory
%PLINK% -batch -pw %REMOTE_PASS% %REMOTE_USER%@%REMOTE_HOST% "rm
-rf %REMOTE_BUILD_DIR%"
```

```
endlocal
exit /B 0
```

```
:FailExit
endlocal
exit /B 1
```

```
@echo off
```

```
rem #####
rem ###
rem ### Philips Medical Systems B.V. (C) 2008
rem ### All rights reserved
rem ###
rem ### Verification script for Flashlite OS
rem ###
rem ### This script runs a series of tests on a Flashlite Unit in order to verify
rem ### the requirements of the OS. The script creates a report that is used to be
rem ### embedded in the Flashlite MVR
rem ###
rem ###
rem ### Arguments:
rem ###   None
rem ###
rem ### Assumptions: Assumes that the
rem ### History:
rem ### 2008-12-09 Francois Louw Initial version
rem #####
```

```
setlocal
```

```
rem #####
rem ### Global environment variables
rem #####
set FLASHLITE_IP=192.168.132.100
set USERNAME=root
set PASSWORD=P3g@zus
```



```

set LOG_FILE=Flashlite_OS_MVR.txt
set PLINK=..\3rdparty\plink.exe -l %USERNAME% -pw %PASSWORD%
set PSCP=..\3rdparty\pscp.exe -l %USERNAME% -pw %PASSWORD%

echo Flashlite OS Module Verification Report: Automatic Test Report > %LOG_FILE%

echo =====>>
%LOG_FILE%
echo .>> %LOG_FILE%
echo Checking network connectivity...>> %LOG_FILE%
ping -n 1 -w 100 %FLASHLITE_IP%
if %ERRORLEVEL% EQU 0 (
    echo PASS: Ping to %FLASHLITE_IP% successful >> %LOG_FILE%
) ELSE (
    echo FAIL: Ping to %FLASHLITE_IP% failed >> %LOG_FILE%
    goto fatalexit
)
echo .>> %LOG_FILE%
echo ^<MRS.OS.Service.Tools:SSH^> >> %LOG_FILE%
echo Checking SSH connection ... >> %LOG_FILE%
echo y | %PLINK% %FLASHLITE_IP% ls
if %ERRORLEVEL% EQU 0 (
    echo PASS: SSH connection to %FLASHLITE_IP% successful >> %LOG_FILE%
) ELSE (
    echo FAIL: SSH connection to %FLASHLITE_IP% failed >> %LOG_FILE%
    goto fatalexit
)

echo .>> %LOG_FILE%
set XDDS_TEST_RESULT=0
echo ^<MRS.OS.Upnp^> >> %LOG_FILE%
echo Checking XDDS functionality ... >> %LOG_FILE%
XDDS_Test\Release\XDDS_Test %FLASHLITE_IP%
if %ERRORLEVEL% EQU 0 (
    echo PASS: FlashLite correctly detected through XDDS protocol >>
%LOG_FILE%
) ELSE (
    echo FAIL: Failed to find FlashLite through XDDS protocol >> %LOG_FILE%
    set XDDS_TEST_RESULT=1
)

echo .>> %LOG_FILE%
echo Checking whether writable area on remote OS ... >> %LOG_FILE%
%PLINK% %FLASHLITE_IP% touch /tmp/os_test.stamp
if %ERRORLEVEL% EQU 0 (
    echo PASS: /tmp on DUT is writable >> %LOG_FILE%
)

```

```

) ELSE (
  echo FAIL: /tmp on DUT is not writable >> %LOG_FILE%
  goto fatalexit
)

echo . >> %LOG_FILE%
echo Copying remote test script to remote OS ... >> %LOG_FILE%
%PSCP% FlashliteOSVerify.sh %FLASHLITE_IP%:/tmp/
if %ERRORLEVEL% EQU 0 (
  echo PASS: script copied to %FLASHLITE_IP%:/tmp/ >> %LOG_FILE%
) ELSE (
  echo FAIL: failed to copy script to %FLASHLITE_IP%:/tmp/ >> %LOG_FILE%
  goto fatalexit
)

rem Pre-conditions for running remote test are met so now execute remote script
echo . >> %LOG_FILE%
echo Running remote script ... >> %LOG_FILE%
%PLINK% %FLASHLITE_IP% "cd /tmp/; sh FlashliteOSVerify.sh"
set REMOTE_EXIT_LVL=%ERRORLEVEL%
if %REMOTE_EXIT_LVL% EQU 0 (
  echo PASS: remote script completed without errors >> %LOG_FILE%
) ELSE (
  echo FAIL: remote script completed with errors >> %LOG_FILE%
)

echo . >> %LOG_FILE%
echo Appending log of remote test script: >> %LOG_FILE%
%PLINK% %FLASHLITE_IP% "cd /tmp/; cat FlashliteOSVerify.log" >> %LOG_FILE%

if %ERRORLEVEL% NEQ 0 (
  echo FAIL: Failed to cat remote log file
  goto fatalexit
)

if %XDDS_TEST_RESULT% EQU 0 (
  exit /B %REMOTE_EXIT_LVL%
) ELSE (
  exit /B %XDDS_TEST_RESULT%
)

:fatalexit
echo Fatal error cannot continue test ... exiting
echo Fatal error cannot continue test ... exiting >> %LOG_FILE%
exit /B 1

```

LC COPYRIGHT



0 047 078 623 1

EXHIBIT 32

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Acting United States Register of Copyrights and Director



By: Jarletta Walls
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Office of Public Records and Repositories

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ALLURA XPER VERSION 8.2.0
DEPOSIT – FIRST 10 PAGES
(COMPUTER PROGRAM
CONTAINING TRADE SECRETS)

**NOTE: The computer program which is the subject of the copyright claim contains trade
secret material.**

```

; Project specific build tooling to run the GBE for POS
;
; History:
; 2008-01-17 v0.1 Roel Kersten - Initial version
; 2008-04-18 v0.2 Roel Kersten - GBE v1.2.0, RemovePrivatePOSFiles.pl deleted
; 2008-09-30 v0.3 Sebastiaan van der Hoest - Removed 4NT wrapper
; 2012_06-20 v0.4 Peer Bruin - Add PATH extension

; POS specific tool that generates 'gc_version.def'
[GenGcVersionDef]
ActionTool=GenGcVersionDef.pl

# Install POS
[InstallPOS]
ActionTool=InstallPOS.cmd

# UnInstall POS
[UnInstallPOS]
ActionTool=UnInstallPOS.cmd
[PubToolsInPath]
ActionTool=.\PubToolsInPath.cmd

@echo off
rem #####
rem ###
rem ### Philips Medical Systems B.V. (C) 2008
rem ### All rights reserved
rem ###
rem ### CheckMappedDrive
rem ###
rem ### Checks whether the current working directory is a mapped drive letter
rem ### by looking if "uPOS" exists in the root.
rem ### If this is run from t:\<viewtag> this check will fail
rem ###
rem ### returns: 0 if mapped
rem ### 1 otherwise
rem ###
rem #####

setlocal

FOR /F "usebackq" %%i IN (`clearTool pwv -s`) DO set ViewTag=%%i

if not exist "\uPOS" (

```

```
echo Error: Build should be run from a mapped drive.
echo     Map your view first and start this script from there.
echo     E.g., "subst y: t:\%ViewTag%"
exit /b 1
)
```

```
exit /b 0
```

```
; This ini-file is a template of settings needed for
; setting up builds for your project
; Copy this file into your project's Build directory
; and change settings for your project
;
[settings]
;
; Required by Engine
;
ContinueOnError=false
DebugStep=false
;
; Global ActionTool settings
;
ScmExecToolTrace=0
Preview=false
;
; Declarations (these settings need to be overwritten)
;
SubSystemRoot=
ViewTag=
MsiVersion=
;
; Project variables
;
ProjectName=Aditi
SubsysName=POS
BodyComponent=POS-uPOS@\projCIS
InterfaceComponent=POS-uCompPublic@\projCIS
;
; TICS
;
TicsDatabase=POS_Aditi
TicsEmailSuccess=DCMservicedesk@philips.com
TicsEmailFail=DCMservicedesk@philips.com
TicsBuildConfiguration=
;
; Logging and publishing
```

```

;
BuildDir=D:\buildresults\[ProjectName]\[ViewTag]
LogDir=[BuildDir]\Logging
DeliverDir=[BuildDir]\Install
RequiredFreeMB=500
;
; Compile settings for Visual Studio
;
BuildAction=rebuild
BuildConfiguration=release
;
; For CreateMsiFile
;
BinRoot=c:
DataRoot=[SubSystemRoot]
MsiTargetFolder=[DeliverDir]
SimulateCreateMsiFile=false
SubSystemName=PMS_POS
SubSystemVersion=[MsiVersion]
;
; For NotifyUsers
;
ToListOnSuccess=DCMservicedesk@philips.com,dl_bst_ixr_rd_adigit_fe_bld@philips.com
ToListOnFailed=DCMservicedesk@philips.com,dl_bst_ixr_rd_adigit_fe_bld@philips.com
SmtplibRelay=mailhub.best.ms.philips.com:25
FromAddress=Generic.Build.Environment@philips.com
;
; Custom settings
;
C_GENERIC_DIR=c:\generic
; Specify free disk space for d:\buildresults
RequiredFreeMBBuild=2000
; Specific copy location to start automated test from
NIGHTJOB_DIR=""\proj3\P-cisontw\NightJob (Joris Eijsackers)\SyncDir\[StreamName]"
; define directory to store gc_version.def
GC_VERSION_DIR=[SubSystemRoot]\GeoCVEmb\id
;
; Use custom path settings
;
UseEnv=[SubSystemRoot]\Build\setvspath.cmd
;
; Nunit tool
;
NunitTool=[SubSystemRoot]\tools\NUnit_dotNetFW2_0\bin\nunit-console.exe

:: This script is a wrapper script to build

```



```
:: The 'embedded' part of POS
:: It merely calls 'gc_all.cmd' and exits with the ERRORLEVEL of that script
::
:: History:
::      2008-01-17  v0.1  Roel Kersten      - Initial version
:: 2008-09-29  v0.2  Sebastiaan van der Hoest - Calls .cmd instead of .btm (4NT) script
```

```
@echo off
setlocal
```

```
:: Build embedded
cd \uPOS\POS\tools\bt\cmd\
call gc_all.cmd
```

```
:: exit and return the error code
exit /B ERRORLEVEL
```

```
:: This script is a wrapper script to build
:: The 'host' part of POS
:: It merely calls 'bt_proj.cmd All' and exits with the ERRORLEVEL of that script
::
:: History:
::      2008-01-17  v0.1  Roel Kersten      - Initial version
:: 2008-09-29  v0.2  Sebastiaan van der Hoest - Calls .cmd instead of .btm (4NT) script
::      2009-09-03  v0.3  Stefan van Gorkom      - Added ASTE build files for
Visual Studio 2005
:: 2011-02-24  v0.3  Clemens van Kempen      - Added EDOC zipper (copied from
POS_RoC3_maint_AD7NT)
:: 2012-02-16  v0.4  Sebastiaan van der Hoest - Added unzip of 3rd party tools + WebBased
FieldService
```

```
@echo off
setlocal
```

```
set BUILD_HOST_FAILED=0
```

```
:: By default, we continue when we find errors.
:: At the end we check if any failures were found.
::
:: To make this script stop on the first failure,
:: use '-stop'.
::
```

```
if not "%1"==" " (
  if "%1"=="-stop" (
```

```

set STOP_ON_FIRST_ERROR=1
) else (
echo [BUILD_HOST] Unknown option '%1'
echo [BUILD_HOST] Use -stop to make me stop on the first error I see
exit /B 1
)
)

cd \uPOS\POS\tools\bt\cmd\

call :RUN_COMMAND "call bt_unzip_tools.cmd" || goto P_QUIT_FAILURE

call :RUN_COMMAND "call bt_projects.cmd projects_host.txt vs2003 /rebuild" %1 ||
goto P_QUIT_FAILURE
call :RUN_COMMAND "call bt_projects.cmd projects_fieldsvc.txt vs2005 /rebuild" %1 ||
goto P_QUIT_FAILURE
call :RUN_COMMAND "call bt_projects.cmd projects_ASTE.txt vs2005 /rebuild" %1
|| goto P_QUIT_FAILURE
call :RUN_COMMAND "call bt_projects.cmd projects_fieldsvc_web_vs2008.txt vs2008
/rebuild" %1 || goto P_QUIT_FAILURE
call :RUN_COMMAND "call bt_projects.cmd projects_fieldsvc_web_vs2003.txt vs2003
/rebuild" %1 || goto P_QUIT_FAILURE

call :RUN_COMMAND "call bt_edoc.cmd" || goto P_QUIT_FAILURE

goto :P_QUIT_SUCCESS

:P_QUIT_FAILURE
echo [BUILD_HOST] FAILED!
exit /B 1

:P_QUIT_SUCCESS

:: check that we did not find an error on the way
if "%BUILD_HOST_FAILED%"=="1" goto P_QUIT_FAILURE
exit /B 0

::
:: Runs the command and sets the failed-flag.
:: Based on the setting 'STOP_ON_FIRST_ERROR'
:: it quits or lets the script continue
::
:RUN_COMMAND

```

```

    :: run the command
    %~1

    :: check the error level
    if ERRORLEVEL 1 (

        set BUILD_HOST_FAILED=1

        REM :: log to screen
        echo.
        echo [BUILD_HOST] FAILED running %1

        REM :: only stop when specifically asked to
        if defined STOP_ON_FIRST_ERROR (
            exit /B 1
        )
    )
    exit /B 0

:: This script is a wrapper script to build
:: The 'remoting' part of POS
::
:: History:
::      2008-01-17  v0.1  Roel Kersten          - Initial version
::      2008-09-29  v0.2  Sebastiaan van der Hoest - Calls .cmd instead of .btm (4NT) script
::

@echo off
setlocal

:: Build what is required for POS Remoting
cd \uPOS\POS\Geointerface\GeoRemoting\src\cmd\
call GeoRemoting_all

:: exit and return the error code
exit /B ERRORLEVEL

set INCLUDE=%INCLUDE%;C:\Program Files\Platform SDK\Include\
set INCLUDE=%INCLUDE%;C:\Program Files\Microsoft SDK\Include\
set INCLUDE=%INCLUDE%;C:\Program Files\Microsoft SDK XPSP2\Include\
set INCLUDE=%INCLUDE%;C:\Program Files\Microsoft SDKs\Windows\v5.0\Include\
set PATH=%PATH%;\uPOS\POS\Pub\Tools\Commands

@echo off

```

```

rem #####
rem ###
rem ### Philips Medical Systems B.V. (C) 2008
rem ### All rights reserved
rem ###
rem ### developer build script
rem ###
rem ### This script checks if all the files as defined in the package definitions
rem ### (.ini files) are available.
rem ###
rem ### In order to use this scr
rem ### Precondition:
rem ### Â All content has been build (gc_all was executed)
rem ###
rem ### Postconcidion:
rem ### Â Logfile with results available:
rem ### D:\buildresults\

```

)

```
rem SCM_ID is necessary for embedded code
set SCM_ID=(0,0,0,0)
rem %
```

```
rem Set subsystem root to support building from a mapped drive
set GBE_SubSystemRoot=%~dp0\..\
rem %
```

```
rem Overwrite MsiVersion in Blackboard
set GBE_MsiVersion=0.0.0.0
```

```
rem Next EV's are necessary for projects that use
rem Tools-CVPub, i.e. "Rocket" projects
set CMD_TOOLS=U:\tools\commands
set SRT_TOOLS=U:\tools\tabledriven
```

```
FOR /F "usebackq" %%i IN (^ClearTool pwv -s`) DO set GBE_ViewTag=%%i
rem %
```

```
set toolpath=..\..\uCompScmDev\Build\Engine\Src
```

```
rem #####
rem ### Start the build
rem #####
:Startbuild
perl -w "%toolpath%\ScmExec.pl" msi_check.scm
if %ERRORLEVEL% EQU 0 (
    goto :FinishBuild
) ELSE (
    goto :ErrorBuild
)
```

```
REM
#####
REM ### Error handler(s)
REM
#####
:ErrorBuild
echo.
echo Developer build script finished with errors!
exit /b 1
echo.
```

```
:FinishBuild
```



```
echo.
echo Developer build script finished successfully
exit /b 0
echo.
endlocal
```

```
REM
#####
REM ### End of script
REM
#####
```

```
## Create MSI file
.CreateMsiFile
```

```
@echo off
rem Create a tracing directory 'c:\temp\tracing' if the directory already exist skip mkdir
set TRACINGDIR=c:\temp\tracing
if EXIST %TRACINGDIR% echo %TRACINGDIR% Already exist, no creation needed
if NOT EXIST %TRACINGDIR% (
  mkdir %TRACINGDIR%
  echo Create %TRACINGDIR%
)
exit /B 0
```

```
#####
##
## exec_generate.scm
##
## Project specific scenario that performs the actual generate actions that are necessary
## for a CI generate.
##
## Project: <fill-in-your-UCM-project-here>
##
## History:
## 2012-02-23 Peer Bruin Initial version
## 2012-05-18 Peer Bruin Host part build with GBE
## 2012-11-30 Peer Bruin Remove unwanted execute always additions
## 2012-12-06 Peer Bruin Build error in gtest; gtest has been replaced by gmock
#####
```

```
## Build 'embedded' part
.\.\build_embedded.bat > [TempLogFile] 2>&1
```

```
## Build 'remoting' part
```

```
..\build_remoting.bat
```

```
## Build 'host' part
```

```
.ChangeBlackBoard UseEnv [SubSystemRoot]\Build\setvs2003path.cmd
```

```
..\Solutions\GeoCommon.sln
```

```
..\Solutions\GeoFSUtility.sln
```

```
..\Solutions\FSCGeoCV.sln
```

```
..\Solutions\GeoInterface.sln
```

```
..\Solutions\GeoCommonGeoIniFile.sln
```

```
..\Solutions\GeometryCV_Test_GeoHostLITELib.sln
```

```
..\Solutions\GeometryCV.sln
```

```
..\Solutions\GscInterfaceStub.sln
```

```
..\Solutions\GscCallbackInterfaceProxy.sln
```

```
..\Solutions\GeometryCVTest.sln
```

```
..\Solutions\GeoCVEmb.sln
```

```
#Gsu ExecFromMSI
```

```
..\Solutions\ExecFromMsi.sln
```

```
#GeoCVUI
```

```
.ChangeBlackBoard UseEnv [SubSystemRoot]\Build\setvs2005path.cmd
```

```
..\Solutions\GeoCVUI.sln
```

```
..\Solutions\ASTE.sln
```

```
#FSCWeb
```

```
.ChangeBlackBoard UseEnv [SubSystemRoot]\Build\setvs2008path.cmd
```

```
..\Solutions\FSCWeb.sln
```

```
#FSWeb
```

```
#..\Solutions\Gtest.sln
```

```
..\Solutions\Gmock.sln
```

```
..\Solutions\FSWeb.sln
```

```
..\Solutions\FSWebTest.sln
```

```
.ChangeBlackBoard UseEnv [SubSystemRoot]\Build\setvs2003path.cmd
```

```
..\Solutions\FSWebGeoWrapper.sln
```

```
#Unzip edoc
```

```
..\tools\bt\cmd\bt_edoc.cmd
```

```
## Create MSI file
```

```
.CreateMsiFile
```

```
#####
```

```
##
```

```
## post_generate.scm
```

```
##
```

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secret material.**

```

; Project specific build tooling to run the GBE for POS
;
; History:
; 2008-01-17 v0.1 Roel Kersten - Initial version
; 2008-04-18 v0.2 Roel Kersten - GBE v1.2.0, RemovePrivatePOSFiles.pl deleted
; 2008-09-30 v0.3 Sebastiaan van der Hoest - Removed 4NT wrapper
; 2012_06-20 v0.4 Peer Bruin - Add PATH extension

; POS specific tool that generates 'gc_version.def'
[GenGcVersionDef]
ActionTool=GenGcVersionDef.pl

# Install POS
[InstallPOS]
ActionTool=InstallPOS.cmd

# UnInstall POS
[UnInstallPOS]
ActionTool=UnInstallPOS.cmd
[PubToolsInPath]
ActionTool=.\PubToolsInPath.cmd

@echo off
rem #####
rem ###
rem ### Philips Medical Systems B.V. (C) 2008
rem ### All rights reserved
rem ###
rem ### CheckMappedDrive
rem ###
rem ### Checks whether the current working directory is a mapped drive letter
rem ### by looking if "uPOS" exists in the root.
rem ### If this is run from t:\<viewtag> this check will fail
rem ###
rem ### returns: 0 if mapped
rem ### 1 otherwise
rem ###
rem #####

setlocal

FOR /F "usebackq" %%i IN (`clearTool pwv -s`) DO set ViewTag=%%i

if not exist "\uPOS" (

```

```

    echo Error: Build should be run from a mapped drive.
    echo    Map your view first and start this script from there.
    echo    E.g., "subst y: t:\%%ViewTag%"
    exit /b 1
)

exit /b 0

; This ini-file is a template of settings needed for
; setting up builds for your project
; Copy this file into your project's Build directory
; and change settings for your project
;
[settings]
;
; Required by Engine
;
ContinueOnError=false
DebugStep=false
;
; Global ActionTool settings
;
ScmExecToolTrace=0
Preview=false
;
; Declarations (these settings need to be overwritten)
;
SubSystemRoot=
ViewTag=
MsiVersion=
;
; Project variables
;
ProjectName=Aditi
SubsysName=POS
BodyComponent=POS-uPOS@\projCIS
InterfaceComponent=POS-uCompPublic@\projCIS
;
; TICS
;
TicsDatabase=POS_Aditi
TicsEmailSuccess=DCMservicedesk@philips.com
TicsEmailFail=DCMservicedesk@philips.com
TicsBuildConfiguration=
;
; Logging and publishing

```



```

;
BuildDir=D:\buildresults\[ProjectName]\[ViewTag]
LogDir=[BuildDir]\Logging
DeliverDir=[BuildDir]\Install
RequiredFreeMB=500
;
; Compile settings for Visual Studio
;
BuildAction=rebuild
BuildConfiguration=release
;
; For CreateMsiFile
;
BinRoot=c:
DataRoot=[SubSystemRoot]
MsiTargetFolder=[DeliverDir]
SimulateCreateMsiFile=false
SubSystemName=PMS_POS
SubSystemVersion=[MsiVersion]
;
; For NotifyUsers
;
ToListOnSuccess=DCMservicedesk@philips.com,dl_bst_ixr_rd_adigit_fe_bld@philips.com
ToListOnFailed=DCMservicedesk@philips.com,dl_bst_ixr_rd_adigit_fe_bld@philips.com
SmtpMailRelay=mailhub.best.ms.philips.com:25
FromAddress=Generic.Build.Environment@philips.com
;
; Custom settings
;
C_GENERIC_DIR=c:\generic
; Specify free disk space for d:\buildresults
RequiredFreeMBBuild=2000
; Specific copy location to start automated test from
NIGHTJOB_DIR=""\proj3\P-cisontw\NightJob (Joris Eijsackers)\SyncDir\[StreamName]"
; define directory to store gc_version.def
GC_VERSION_DIR=[SubSystemRoot]\GeoCVEmb\id
;
;Use custom path settings
;
UseEnv=[SubSystemRoot]\Build\setvspath.cmd
;
; Nunit tool
;
NunitTool=[SubSystemRoot]\tools\NUnit_dotNetFW2_0\bin\nunit-console.exe

:: This script is a wrapper script to build

```

```

:: The 'embedded' part of POS
:: It merely calls 'gc_all.cmd' and exits with the ERRORLEVEL of that script
::
:: History:
::      2008-01-17  v0.1  Roel Kersten      - Initial version
:: 2008-09-29  v0.2  Sebastiaan van der Hoest - Calls .cmd instead of .btm (4NT) script

@echo off
setlocal

:: Build embedded
cd \uPOS\POS\tools\bt\cmd\
call gc_all.cmd

:: exit and return the error code
exit /B ERRORLEVEL

:: This script is a wrapper script to build
:: The 'host' part of POS
:: It merely calls 'bt_proj.cmd All' and exits with the ERRORLEVEL of that script
::
:: History:
::      2008-01-17  v0.1  Roel Kersten      - Initial version
:: 2008-09-29  v0.2  Sebastiaan van der Hoest - Calls .cmd instead of .btm (4NT) script
::      2009-09-03  v0.3  Stefan van Gorkom      - Added ASTE build files for
Visual Studio 2005
:: 2011-02-24  v0.3  Clemens van Kempen      - Added EDOC zipper (copied from
POS_RoC3_maint_AD7NT)
:: 2012-02-16  v0.4  Sebastiaan van der Hoest - Added unzip of 3rd party tools + WebBased
FieldService

@echo off
setlocal

set BUILD_HOST_FAILED=0

:: By default, we continue when we find errors.
:: At the end we check if any failures were found.
::
:: To make this script stop on the first failure,
:: use '-stop'.
::

if not "%1"==" " (
  if "%1"=="-stop" (

```

```

    set STOP_ON_FIRST_ERROR=1
  ) else (
    echo [BUILD_HOST] Unknown option '%1'
    echo [BUILD_HOST] Use -stop to make me stop on the first error I see
    exit /B 1
  )
)

cd \uPOS\POS\tools\bt\cmd\

call :RUN_COMMAND "call bt_unzip_tools.cmd" || goto P_QUIT_FAILURE

call :RUN_COMMAND "call bt_projects.cmd projects_host.txt          vs2003 /rebuild" %1 ||
goto P_QUIT_FAILURE
call :RUN_COMMAND "call bt_projects.cmd projects_fieldsvc.txt      vs2005 /rebuild" %1 ||
goto P_QUIT_FAILURE
call :RUN_COMMAND "call bt_projects.cmd projects_ASTE.txt          vs2005 /rebuild" %1
|| goto P_QUIT_FAILURE
call :RUN_COMMAND "call bt_projects.cmd projects_fieldsvc_web_vs2008.txt vs2008
/rebuild" %1 || goto P_QUIT_FAILURE
call :RUN_COMMAND "call bt_projects.cmd projects_fieldsvc_web_vs2003.txt vs2003
/rebuild" %1 || goto P_QUIT_FAILURE

call :RUN_COMMAND "call bt_edoc.cmd" || goto P_QUIT_FAILURE

goto :P_QUIT_SUCCESS

:P_QUIT_FAILURE
echo [BUILD_HOST] FAILED!
exit /B 1

:P_QUIT_SUCCESS

:: check that we did not find an error on the way
if "%BUILD_HOST_FAILED%"=="1" goto P_QUIT_FAILURE
exit /B 0

::
:: Runs the command and sets the failed-flag.
:: Based on the setting 'STOP_ON_FIRST_ERROR'
:: it quits or lets the script continue
::
:RUN_COMMAND

```

```

:: run the command
%~1

:: check the error level
if ERRORLEVEL 1 (

    set BUILD_HOST_FAILED=1

    REM :: log to screen
    echo.
    echo [BUILD_HOST] FAILED running %1

    REM :: only stop when specifically asked to
    if defined STOP_ON_FIRST_ERROR (
        exit /B 1
    )
)
exit /B 0

:: This script is a wrapper script to build
:: The 'remoting' part of POS
::
:: History:
::      2008-01-17  v0.1  Roel Kersten          - Initial version
::      2008-09-29  v0.2  Sebastiaan van der Hoest - Calls .cmd instead of .btm (4NT) script
::

@echo off
setlocal

:: Build what is required for POS Remoting
cd \uPOS\POS\Geointerface\GeoRemoting\src\cmd\
call GeoRemoting_all

:: exit and return the error code
exit /B ERRORLEVEL

set INCLUDE=%INCLUDE%;C:\Program Files\Platform SDK\Include\
set INCLUDE=%INCLUDE%;C:\Program Files\Microsoft SDK\Include\
set INCLUDE=%INCLUDE%;C:\Program Files\Microsoft SDK XPSP2\Include\
set INCLUDE=%INCLUDE%;C:\Program Files\Microsoft SDKs\Windows\v5.0\Include\
set PATH=%PATH%;\uPOS\POS\Pub\Tools\Commands

@echo off

```

```

rem #####
rem ###
rem ### Philips Medical Systems B.V. (C) 2008
rem ### All rights reserved
rem ###
rem ### developer build script
rem ###
rem ### This script checks if all the files as defined in the package definitions
rem ### (.ini files) are available.
rem ###
rem ### In order to use this scr
rem ### Precondition:
rem ###   Â All content has been build (gc_all was executed)
rem ###
rem ### Postconcdion:
rem ###   Â Logfile with results available:
rem ###   D:\buildresults\

```

```
setlocal
```

```

rem ## Are we running from a mapped drive?
call CheckMappedDrive.cmd
if %ERRORLEVEL% NEQ 0 ( goto :ErrorBuild )

```

```

rem #####
rem ### Generic environment variables
rem #####

```

```

rem Check '/CreateMSI' flag. If set the MSI will be created.
rem By default, developers do not have to create an MSI
set GBE_SimulateCreateMsiFile=true
if /I "%1" == "/CreateMSI" (
  set GBE_SimulateCreateMsiFile=false

```



```

)

rem SCM_ID is necessary for embedded code
set SCM_ID=(0,0,0,0)
rem %

rem Set subsystem root to support building from a mapped drive
set GBE_SubSystemRoot=%~dp0\..
rem %

rem Overwrite MsiVersion in Blackboard
set GBE_MsiVersion=0.0.0.0

rem Next EV's are necessary for projects that use
rem Tools-CVPub, i.e. "Rocket" projects
set CMD_TOOLS=U:\tools\commands
set SRT_TOOLS=U:\tools\tabledriven

FOR /F "usebackq" %%i IN (^ClearTool pwv -s^) DO set GBE_ViewTag=%%i
rem %

set toolpath=..\..\..\uCompScmDev\Build\Engine\Src

rem #####
rem ### Start the build
rem #####
:Startbuild
perl -w "%toolpath%\ScmExec.pl" msi_check.scm
if %ERRORLEVEL% EQU 0 (
    goto :FinishBuild
) ELSE (
    goto :ErrorBuild
)

REM
#####
REM ### Error handler(s)
REM
#####
:ErrorBuild
echo.
echo Developer build script finished with errors!
exit /b 1
echo.

:FinishBuild

```

```
echo.
echo Developer build script finished successfully
exit /b 0
echo.
endlocal
```

```
REM
#####
REM ### End of script
REM
#####
```

```
## Create MSI file
.CreateMsiFile
```

```
@echo off
rem Create a tracing directory 'c:\temp\tracing' if the directory already exist skip mkdir
set TRACINGDIR=c:\temp\tracing
if EXIST %TRACINGDIR% echo %TRACINGDIR% Already exist, no creation needed
if NOT EXIST %TRACINGDIR% (
  mkdir %TRACINGDIR%
  echo Create %TRACINGDIR%
)
exit /B 0
```

```
#####
##
## exec_generate.scm
##
## Project specific scenario that performs the actual generate actions that are necessary
## for a CI generate.
##
## Project: <fill-in-your-UCM-project-here>
##
## History:
## 2012-02-23 Peer Bruin Initial version
## 2012-05-18 Peer Bruin Host part build with GBE
## 2012-11-30 Peer Bruin Remove unwanted execute always additions
## 2012-12-06 Peer Bruin Build error in gtest; gtest has been replaced by gmock
#####
```

```
## Build 'embedded' part
..\build_embedded.bat > [TempLogFile] 2>&1
```

```
## Build 'remoting' part
```

```
..\build_remoting.bat
```

```
## Build 'host' part
```

```
.ChangeBlackBoard UseEnv [SubSystemRoot]\Build\setvs2003path.cmd
```

```
..\Solutions\GeoCommon.sln
```

```
..\Solutions\GeoFSUtility.sln
```

```
..\Solutions\FSCGeoCV.sln
```

```
..\Solutions\GeoInterface.sln
```

```
..\Solutions\GeoCommonGeoIniFile.sln
```

```
..\Solutions\GeometryCV_Test_GeoHostLITELib.sln
```

```
..\Solutions\GeometryCV.sln
```

```
..\Solutions\GscInterfaceStub.sln
```

```
..\Solutions\GscCallbackInterfaceProxy.sln
```

```
..\Solutions\GeometryCVTest.sln
```

```
..\Solutions\GeoCVEmb.sln
```

```
#Gsu ExecFromMSI
```

```
..\Solutions\ExecFromMsi.sln
```

```
#GeoCVUI
```

```
.ChangeBlackBoard UseEnv [SubSystemRoot]\Build\setvs2005path.cmd
```

```
..\Solutions\GeoCVUI.sln
```

```
..\Solutions\ASTE.sln
```

```
#FSCWeb
```

```
.ChangeBlackBoard UseEnv [SubSystemRoot]\Build\setvs2008path.cmd
```

```
..\Solutions\FSCWeb.sln
```

```
#FSWeb
```

```
#..\Solutions\Gtest.sln
```

```
..\Solutions\Gmock.sln
```

```
..\Solutions\FSWeb.sln
```

```
..\Solutions\FSWebTest.sln
```

```
.ChangeBlackBoard UseEnv [SubSystemRoot]\Build\setvs2003path.cmd
```

```
..\Solutions\FSWebGeoWrapper.sln
```

```
#Unzip edoc
```

```
..\tools\bt\cmd\bt_edoc.cmd
```

```
## Create MSI file
```

```
.CreateMsiFile
```

```
#####
```

```
##
```

```
## post_generate.scm
```

```
##
```

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(COMPUTER PROGRAM
CONTAINING TRADE SECRETS)

**NOTE: The computer program which is the subject of the copyright claim contains trade
secret material.**

```

// History :
// - Date: 1999-08-31, Author: John Knappers
// Reason for change: Bug Report Rob Smorenburg dd 12-07-1999
// Details of change: InitTestCaseLine and FinalizeTestCaseLine
// changed from pure virtual to virtual
// - Date: 1999-03-15, Author: Andy Michaelides
// Reason for change: Creation
// Details of change: n.a.
//
// Description : This class contains pure virtual
// methods
// GotoInitialState()
// HandleInputs()
// CheckFinalStates()
// CheckOutputs()
// that must be implemented in a derived call
// in order to handle a specified test case approach.
// Note: The methods of this class are called in the order
// shown above by the aggregating CTestEngine.
//
//
//-----
// INCLUDES & FORWARD CLASS DECLARATIONS
//

class CTestEngine;

//
// CLASS DECLARATION
//
class CTestMapper
{
public: // METHODS

    // Constructor
    CTestMapper(
        CTestCase& rTestCase);

    // Destructor
    virtual
    ~CTestMapper();

// Meant to check if this line is to be run

```



```

// The entire Test Case line is provided so that
// implementer can decide which attribute of the
// line means 'dont run'.
virtual BOOL
    RunTestCaseLine(
        const CString& rsTestCaseLine) = 0;

//Meant for initialization and finilization
virtual void
    InitTestCaseLine(
        const CString& rsTestCaseLine);
virtual void
    FinalizeTestCaseLine(
        const CString& rsTestCaseLine);

// Meant to set InitialState for a test case
virtual BOOL
    GotoInitialState(
        // array of desired states/commands
        // that will, in totality, set the inital state for
        // the test case
        const CStringArray& rInitialStates) = 0;

// Meant to handle the desired events/inputs once in the
// initial State
virtual BOOL
    HandleInputs(
        // Array of inputs
        const CStringArray& rInputs) = 0;

// Meant to Check the resultant outputs
virtual BOOL
    CheckOutputs(
        // Array of outputs to check
        const CStringArray& rOutputs,
        // Array of inputs as possible reference
        const CStringArray& rInputs) = 0;

// Meant to check the final state of the test case
virtual BOOL
    CheckFinalState(
        // array of final states to check
        const CStringArray& rFinalStates) = 0;

```

```

// returns whether the run was stopped
virtual BOOL
    MustStopRun();

// Set private variable to stop run
virtual void
    StopRunNow();

// Set Reference to engine
void
    SetRefToEngine(CTestEngine* pTestEngine);

protected: // METHODS
    BOOL
        OpenTraceFile(
            const CString& rsTraceFileName);

    void
        WriteToTraceFile(
            const CString& rsMsg);

// Member function to return Total Nr Of columns with witch this engine operates
// on a testcase line
    ULONG
        GetNrOfColumns();

// Member function to retrieve a string in a given column from a testcase line

    BOOL
        GetValueOfColumn(
            const ULONG& rulNrOfColumn,
            CString& rsColumnValue);

    void
        CloseTraceFile();

    void
        Report(
            const CString& rsData);

    void
        Check(
            const BOOL bCheckResult,
            const CString& rsCheckId,
            TestFailBehavior eBehavior=TESTFAILBEHAVIOR_BREAK);

```

```

protected: // DATA

    CTestCase& m_rTestCase;

private: // METHODS
    // Copy Constructor
    CTestMapper(const CTestMapper& ref);
    // Assignment operator
    CTestMapper& operator = (const CTestMapper& ref);

private: //DATA
    // Trace file
    CStdioFile m_TraceFile;

    // If stopping the run is desired - see method StopRun() - derived class
    // MUST set this in its constructor
    BOOL m_bStopRun;
    // Keep a reference to the Engine that is related to this mapper
    CTestEngine* m_pTestEngine;

};

#endif // TESTMAPPER_H
//==== end of file: w:\uAUI\AUI\Pub\Infra\IncTest\TestMapper.h

//==== start of file: w:\uAUI\AUI\Pub\Infra\IncTest\TestULONGMap.h
#ifndef TESTULONGMAP_H
#define TESTULONGMAP_H

#if _MSC_VER >= 1000
#pragma once
#endif // _MSC_VER >= 1000

//
//-----
// Copyright : Copyright(c) 1999, Philips Electronics N.V.
//
// File      : TestULONG.h
//
// Class     : CTestULONGMap
//
// History   :
// - Date: 1999-06-28, Author: J.B. Knappers
// Reason for change: Initial version

```

```

// Details of change: Not applicable
//
// Hierarchy :
//
// Description : Definition of Map for ULONGs
//               Map is defined using a template class
//               Key -->String
//               Mapped Item --> ULONG
//-----
//

class CTestULONGMap : public CMap < LPCTSTR, LPCTSTR, ULONG, const ULONG& >
{
};

#endif // TESTULONGMAP_H

// TstInfTDMdl.h: interfaces for table driven testing
//
///////////////////////////////////////////////////////////////////

//
//-----
// Copyright   : Copyright (c) 1999,
//               Philips Medical Systems Nederland B.V.
//
// File        : TstInfTDMdl.h
//
// Class       : -
//
//
// Requirements:
//
// Design:
//
// History     :
// - Date: 1999-04-23, Author: Ivo Canjels
// Reason for change: Creation
// Details of change: n.a.
//
// Hierarchy  :
//
// Description : This header file is the published interface of the TestTableDriven module
//               See for detailed class descriptions the class header files.
//
//-----

```

```

#include "TestEngine.h"
#include "TestMapper.h"
#include "TestLineTranslator.h"

// Link stuff
#ifdef _DEBUG
    #ifdef _UNICODE
        #pragma comment (lib, "TstInfTD_ud.lib")
    #else
        #pragma comment (lib, "TstInfTD_ad.lib")
    #endif // _UNICODE
#else
    #ifdef _UNICODE
        #pragma comment (lib, "TstInfTD_ur.lib")
    #else
        #pragma comment (lib, "TstInfTD_ar.lib")
    #endif // _UNICODE
#endif // _DEBUG

// TestTableDrivenUnit.h: interfaces for table driven testing
//
///////////////////////////////////////////////////////////////////

//
//-----
// Copyright   : Copyright (c) 1999,
//              Philips Medical Systems Nederland B.V.
//
// File        : TestTableDrivenUnit.h
//
// Class       : -
//
//
// Requirements:
//
// Design:
//
// History     :
// - Date: 1999-04-23, Author: Ivo Canjels
// Reason for change: Creation
// Details of change: n.a.
//
// Hierarchy   :
//

```



```

// Description : This header file is the published interface of the TestTableDriven module
//              See for detailed class descriptions the class header files.
//
//-----

#include "TstInfTDMdl.h"

// TstInfTHMdl.h: interfaces for Testharness testing
//
////////////////////////////////////

//
//-----
// Copyright   : Copyright (c) 1999,
//              Philips Medical Systems Nederland B.V.
//
// File        : TstInfTHMdl.h
//
// Class       :-
//
//
// Requirements:
//
// Design:
//
// History     :
// - Date: 1999-05-26, Author: John Knappers
// Reason for change: Creation
// Details of change: n.a.
//
// Hierarchy  :
//
// Description : This header file is the published interface of the TestHarness module
//              See for detailed class descriptions the class header files.
//
//-----

#include "TestHarness.h"
#include "TestCase.h"
#include "TestGeneral.h"

// Link stuff
#ifdef _DEBUG
    #ifdef _UNICODE
        #pragma comment (lib, "TstInfTH_ud.lib")
    #else

```

```
// Description : This header file is the published interface of the TestTableDriven module
//              See for detailed class descriptions the class header files.
//
//-----
```

```
#include "TstInfTDMdl.h"
```

```
// TstInfTHMdl.h: interfaces for Testharness testing
//
////////////////////////////////////
```

```
//
//-----
```

```
// Copyright : Copyright (c) 1999,
//            Philips Medical Systems Nederland B.V.
```

```
// File      : TstInfTHMdl.h
```

```
// Class    :-
```

```
// Requirements:
```

```
// Design:
```

```
// History  :
```

```
// - Date: 1999-05-26, Author: John Knappers
```

```
// Reason for change: Creation
```

```
// Details of change: n.a.
```

```
// Hierarchy :
```

```
// Description : This header file is the published interface of the TestHarness module
//              See for detailed class descriptions the class header files.
```

```
//-----
```

```
#include "TestHarness.h"
```

```
#include "TestCase.h"
```

```
#include "TestGeneral.h"
```

```
// Link stuff
```

```
#ifdef _DEBUG
```

```
    #ifdef _UNICODE
```

```
        #pragma comment (lib, "TstInfTH_ud.lib")
```

```
    #else
```

```

        #pragma comment (lib, "TstInfTH_ad.lib")
    #endif // _UNICODE
#else
    #ifdef _UNICODE
        #pragma comment (lib, "TstInfTH_ur.lib")
    #else
        #pragma comment (lib, "TstInfTH_ar.lib")
    #endif // _UNICODE
#endif // _DEBUG

// TstInfTHUnit.h: interfaces for Testharness testing
//
///////////////////////////////////////////////////////////////////

//
//-----
// Copyright   : Copyright (c) 1999,
//              Philips Medical Systems Nederland B.V.
//
// File        : TstInfTHUnit.h
//
// Class       : -
//
//
// Requirements:
//
// Design:
//
// History     :
// - Date: 1999-05-26, Author: John Knappers
// Reason for change: Creation
// Details of change: n.a.
// Initial version: directory structure migration
//
// Hierarchy   :
//
// Description : This header file is the published interface of the TestHarness module
//              See for detailed class descriptions the class header files.
//
//-----

#include "TstInfTHMdl.h"

```

i»¿#region Copyright Koninklijke Philips Electronics N.V. 2012
 // All rights are reserved. Reproduction or transmission in whole or in part, in

```

// any form or by any means, electronic, mechanical or otherwise, is prohibited
// without the prior written consent of the copyright owner.
#endregion

using System;
using System.IO;

namespace Philips.PmsIxr.Aui.DevTools.CheckViewDriveLetter
{
    /// <summary>
    /// Outer class, containing the Main entry of the application
    /// </summary>
    class Program
    {
        private Program()
        {
        }

        static int Main(string[] args)
        {
            int retVal = 0;

            string fullPath = Directory.GetCurrentDirectory();

            //-----
            // fullPath shall be like X:\uAUI\AUI\...
            //-----
            const string expectedRoot = @"\"uAUI\AUI\";

            if (fullPath.Substring(2, expectedRoot.Length) != expectedRoot)
            {
                retVal = 1;

                Console.WriteLine(@"-----
--");
                Console.WriteLine(@"Error: Use a 'subst' for your view and build from the substituted
drive letter.");
                Console.WriteLine(@"-----
--");
                Console.WriteLine(@" e.g: subst X: T:\AUI_Bright_TEAM_vs2008_int");
                Console.WriteLine(@" cd /d X:\uAUI\AUI\build");
                Console.WriteLine(@" dev_build");
                Console.WriteLine(@"-----
--");
                Console.WriteLine(@" note: when running from EC, add viewDriveLetter to the job
parameters");
            }
        }
    }
}

```

```

        Console.WriteLine("@-----");
    }
    return retVal;
}
}
}

```

```

i»using System.Reflection;
using System.Runtime.CompilerServices;
using System.Runtime.InteropServices;

```

```

// General Information about an assembly is controlled through the following
// set of attributes. Change these attribute values to modify the information
// associated with an assembly.

```

```

[assembly: AssemblyTitle("CheckViewDriveLetter")]
[assembly: AssemblyDescription("")]
[assembly: AssemblyConfiguration("")]
[assembly: AssemblyCompany("TA-CASE")]
[assembly: AssemblyProduct("CheckViewDriveLetter")]
[assembly: AssemblyCopyright("Copyright © TA-CASE 2012")]
[assembly: AssemblyTrademark("")]
[assembly: AssemblyCulture("")]

```

```

// Setting ComVisible to false makes the types in this assembly not visible
// to COM components. If you need to access a type in this assembly from
// COM, set the ComVisible attribute to true on that type.
[assembly: ComVisible(false)]

```

```

// The following GUID is for the ID of the typelib if this project is exposed to COM
[assembly: Guid("017b924d-9990-4d8f-b3a8-c72becb0b6af")]

```

```

// Version information for an assembly consists of the following four values:

```

```

//
// Major Version
// Minor Version
// Build Number
// Revision
//

```

```

// You can specify all the values or you can default the Build and Revision Numbers
// by using the '*' as shown below:

```

```

// [assembly: AssemblyVersion("1.0.*")]
[assembly: AssemblyVersion("1.0.0.0")]
[assembly: AssemblyFileVersion("1.0.0.0")]

```


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CONTAINING TRADE SECRETS)

**NOTE: The computer program which is the subject of the copyright claim contains trade
secret material.**

```

// History      :
// - Date: 1999-08-31, Author: John Knappers
// Reason for change: Bug Report Rob Smorenburg dd 12-07-1999
// Details of change: InitTestCaseLine and FinalizeTestCaseLine
// changed from pure virtual to virtual
// - Date: 1999-03-15, Author: Andy Michaelides
// Reason for change: Creation
// Details of change: n.a.
//
// Description : This class contains pure virtual
//              methods
//              GotoInitialState()
//              HandleInputs()
//              CheckFinalStates()
//              CheckOutputs()
//              that must be implemented in a derived call
//              in order to handle a specified test case approach.
//              Note: The methods of this class are called in the order
//              shown above by the aggregating CTestEngine.
//
//
//-----
// INCLUDES & FORWARD CLASS DECLARATIONS
//

class CTestEngine;

//
// CLASS DECLARATION
//
class CTestMapper
{
public: // METHODS

        // Constructor

        CTestMapper(
                CTestCase& rTestCase);

        // Destructor
        virtual
        ~CTestMapper();

// Meant to check if this line is to be run

```

```

// The entire Test Case line is provided so that
// implementer can decide which attribute of the
// line means 'dont run'.
virtual BOOL
    RunTestCaseLine(
        const CString& rsTestCaseLine) = 0;

//Meant for initialization and finilization
virtual void
    InitTestCaseLine(
        const CString& rsTestCaseLine);
virtual void
    FinalizeTestCaseLine(
        const CString& rsTestCaseLine);

// Meant to set InitialState for a test case
virtual BOOL
    GotoInitialState(
        // array of desired states/commands
        // that will, in totality, set the intial state for
        // the test case
        const CStringArray& rInitialStates) = 0;

// Meant to handle the desired events/inputs once in the
// initial State
virtual BOOL
    HandleInputs(
        // Array of inputs
        const CStringArray& rInputs) = 0;

// Meant to Check the resultant outputs
virtual BOOL
    CheckOutputs(
        // Array of outputs to check
        const CStringArray& rOutputs,
        // Array of inputs as possible reference
        const CStringArray& rInputs) = 0;

// Meant to check the final state of the test case
virtual BOOL
    CheckFinalState(
        // array of final states to check
        const CStringArray& rFinalStates) = 0;

```

```

// returns whether the run was stopped
virtual BOOL
    MustStopRun();

// Set private variable to stop run
virtual void
    StopRunNow();

// Set Reference to engine
void
    SetRefToEngine(CTestEngine* pTestEngine);

protected: // METHODS
    BOOL
        OpenTraceFile(
            const CString& rsTraceFileName);

    void
        WriteToTraceFile(
            const CString& rsMsg);

// Member function to return Total Nr Of columns with witch this engine operates
// on a testcase line
    ULONG
        GetNrOfColumns();

// Member function to retrieve a string in a given column from a testcase line

    BOOL
        GetValueOfColumn(
            const ULONG& ruNrOfColumn,
            CString& rsColumnValue);

    void
        CloseTraceFile();

    void
        Report(
            const CString& rsData);

    void
        Check(
            const BOOL bCheckResult,
            const CString& rsCheckId,
            TestFailBehavior eBehavior=TESTFAILBEHAVIOR_BREAK);

```

```

protected: // DATA

    CTestCase& m_rTestCase;

private: // METHODS
    // Copy Constructor
    CTestMapper(const CTestMapper& ref);
    // Assignment operator
    CTestMapper& operator = (const CTestMapper& ref);

private: //DATA
    // Trace file
    CStdioFile m_TraceFile;

    // If stopping the run is desired - see method StopRun() - derived class
    // MUST set this in its constructor
    BOOL m_bStopRun;
    // Keep a reference to the Engine that is related to this mapper
    CTestEngine* m_pTestEngine;

};

#endif // TESTMAPPER_H
//==== end of file: w:\uAUI\AUI\Pub\Infra\IncTest\TestMapper.h

//==== start of file: w:\uAUI\AUI\Pub\Infra\IncTest\TestULONGMap.h
#ifndef TESTULONGMAP_H
#define TESTULONGMAP_H

#if _MSC_VER >= 1000
#pragma once
#endif // _MSC_VER >= 1000

//
//-----
// Copyright : Copyright(c) 1999, Philips Electronics N.V.
//
// File : TestULONG.h
//
// Class : CTestULONGMap
//
// History :
// - Date: 1999-06-28, Author: J.B. Knappers
// Reason for change: Initial version

```

```

// Details of change: Not applicable
//
// Hierarchy :
//
// Description : Definition of Map for ULONGs
//                Map is defined using a template class
//                Key -->String
//                Mapped Item --> ULONG
//-----
//

class CTestULONGMap : public CMap < LPCTSTR, LPCTSTR, ULONG, const ULONG& >
{
};

#ifdef TESTULONGMAP_H

// TstInfTDMdl.h: interfaces for table driven testing
//
////////////////////////////////////

//
//-----
// Copyright : Copyright (c) 1999,
//            Philips Medical Systems Nederland B.V.
//
// File      : TstInfTDMdl.h
//
// Class     : -
//
//
// Requirements:
//
// Design:
//
// History   :
// - Date: 1999-04-23, Author: Ivo Canjels
// Reason for change: Creation
// Details of change: n.a.
//
// Hierarchy :
//
// Description : This header file is the published interface of the TestTableDriven module
//                See for detailed class descriptions the class header files.
//
//-----

```



```

#include "TestEngine.h"
#include "TestMapper.h"
#include "TestLineTranslator.h"

// Link stuff
#ifdef _DEBUG
    #ifdef _UNICODE
        #pragma comment (lib, "TstInfTD_ud.lib")
    #else
        #pragma comment (lib, "TstInfTD_ad.lib")
    #endif // _UNICODE
#else
    #ifdef _UNICODE
        #pragma comment (lib, "TstInfTD_ur.lib")
    #else
        #pragma comment (lib, "TstInfTD_ar.lib")
    #endif // _UNICODE
#endif // _DEBUG

// TestTableDrivenUnit.h: interfaces for table driven testing
//
///////////////////////////////////////////////////////////////////

//
//-----
// Copyright   : Copyright (c) 1999,
//              Philips Medical Systems Nederland B.V.
//
// File        : TestTableDrivenUnit.h
//
// Class       : -
//
//
// Requirements:
//
// Design:
//
// History     :
// - Date: 1999-04-23, Author: Ivo Canjels
// Reason for change: Creation
// Details of change: n.a.
//
// Hierarchy   :
//

```

```
// Description : This header file is the published interface of the TestTableDriven module
//              See for detailed class descriptions the class header files.
//
//-----
```

```
#include "TstInfTDMdl.h"
```

```
// TstInfTHMdl.h: interfaces for Testharness testing
//
//////////////////////////////////////////////////////////////////
```

```
//
//-----
```

```
// Copyright : Copyright (c) 1999,
//            Philips Medical Systems Nederland B.V.
```

```
//
// File      : TstInfTHMdl.h
```

```
//
// Class     : -
```

```
//
//
// Requirements:
```

```
//
// Design:
```

```
//
// History   :
// - Date: 1999-05-26, Author: John Knappers
```

```
// Reason for change: Creation
// Details of change: n.a.
```

```
//
// Hierarchy :
```

```
//
// Description : This header file is the published interface of the TestHarness module
//              See for detailed class descriptions the class header files.
```

```
//
//-----
```

```
#include "TestHarness.h"
#include "TestCase.h"
#include "TestGeneral.h"
```

```
// Link stuff
#ifdef _DEBUG
    #ifdef _UNICODE
        #pragma comment (lib, "TstInfTH_ud.lib")
    #else
```

```
                #pragma comment (lib, "TstInfTH_ad.lib")
            #endif // _UNICODE
#else
    #ifndef _UNICODE
        #pragma comment (lib, "TstInfTH_ur.lib")
    #else
        #pragma comment (lib, "TstInfTH_ar.lib")
    #endif // _UNICODE
#endif // _DEBUG
```

```
// TstInfTHUnit.h: interfaces for Testharness testing
//
```

```
////////////////////////////////////
```

```
//
//-----
```

```
// Copyright : Copyright (c) 1999,
//           Philips Medical Systems Nederland B.V.
```

```
// File      : TstInfTHUnit.h
```

```
// Class     : -
```

```
// Requirements:
```

```
// Design:
```

```
// History   :
// - Date: 1999-05-26, Author: John Knappers
```

```
// Reason for change: Creation
```

```
// Details of change: n.a.
```

```
// Initial version: directory structure migration
```

```
// Hierarchy :
```

```
// Description : This header file is the published interface of the TestHarness module
//              See for detailed class descriptions the class header files.
```

```
//-----
#include "TstInfTHMdl.h"
```

ï»¿#region Copyright Koninklijke Philips Electronics N.V. 2012
// All rights are reserved. Reproduction or transmission in whole or in part, in

```
// any form or by any means, electronic, mechanical or otherwise, is prohibited
// without the prior written consent of the copyright owner.
#endregion
```

```
using System;
using System.IO;

namespace Philips.PmsIxr.Aui.DevTools.CheckViewDriveLetter
{
    /// <summary>
    /// Outer class, containing the Main entry of the application
    /// </summary>
    class Program
    {
        private Program()
        {
        }

        static int Main(string[] args)
        {
            int retVal = 0;

            string fullPath = Directory.GetCurrentDirectory();

            //-----
            // fullPath shall be like X:\uAUI\AUI\...
            //-----
            const string expectedRoot = @"\"uAUI\AUI\";

            if (fullPath.Substring(2, expectedRoot.Length) != expectedRoot)
            {
                retVal = 1;

                Console.WriteLine(@"-----
--");
                Console.WriteLine(@"Error: Use a 'subst' for your view and build from the substituted
drive letter.");
                Console.WriteLine(@"-----
--");
                Console.WriteLine(@" e.g: subst X: T:\AUI_Bright_TEAM_vs2008_int");
                Console.WriteLine(@" cd /d X:\uAUI\AUI\build");
                Console.WriteLine(@" dev_build");
                Console.WriteLine(@"-----
--");
                Console.WriteLine(@" note: when running from EC, add viewDriveLetter to the job
parameters");
            }
        }
    }
}
```

```

        Console.WriteLine(@"-----
--");
    }

    return retVal;
}
}
}

```

```

using System.Reflection;
using System.Runtime.CompilerServices;
using System.Runtime.InteropServices;

```

```

// General Information about an assembly is controlled through the following
// set of attributes. Change these attribute values to modify the information
// associated with an assembly.

```

```

[assembly: AssemblyTitle("CheckViewDriveLetter")]
[assembly: AssemblyDescription("")]
[assembly: AssemblyConfiguration("")]
[assembly: AssemblyCompany("TA-CASE")]
[assembly: AssemblyProduct("CheckViewDriveLetter")]
[assembly: AssemblyCopyright("Copyright © TA-CASE 2012")]
[assembly: AssemblyTrademark("")]
[assembly: AssemblyCulture("")]

```

```

// Setting ComVisible to false makes the types in this assembly not visible
// to COM components. If you need to access a type in this assembly from
// COM, set the ComVisible attribute to true on that type.
[assembly: ComVisible(false)]

```

```

// The following GUID is for the ID of the typelib if this project is exposed to COM
[assembly: Guid("017b924d-9990-4d8f-b3a8-c72becb0b6af")]

```

```

// Version information for an assembly consists of the following four values:

```

```

//
// Major Version
// Minor Version
// Build Number
// Revision
//

```

```

// You can specify all the values or you can default the Build and Revision Numbers
// by using the '*' as shown below:

```

```

// [assembly: AssemblyVersion("1.0.*")]
[assembly: AssemblyVersion("1.0.0.0")]
[assembly: AssemblyFileVersion("1.0.0.0")]

```

**ALLURA XPER VERSION 8.2.0
DEPOSIT – PORTIONS OF SOURCE
CODE INCLUDING COPYRIGHT
NOTICES PERTAINING TO THIS
VERSION (COMPUTER PROGRAM
CONTAINING TRADE SECRETS)**

**NOTE: The computer program which is the subject of the copyright claim contains trade
secret material.**


```
-----  
/ Copyright : Copyright(c) 2013  
/ Philips Medical Systems Nederland B.V.  
/
```

```
/ File : GeoGSCTraceCleaner.cpp  
/
```

```
/ Class : CGeoGSCTraceCleaner  
ifndef GEOGSCTRACECLEANER_H  
define GEOGSCTRACECLEANER_H  
-----
```

```
/ Copyright : Copyright(c) 2013  
/ Philips Medical Systems Nederland B.V.  
/
```

```
/ File : GeoGSCTraceCleaner.h  
/
```

```
/ Class : CGeoGSCTraceCleaner ,  
-----
```

```
/ Copyright : Copyright(c) 2013,  
/ Philips Medical Systems Nederland B.V.  
/
```

```
/ File : WinMemUsed.cpp  
/
```

```
/ Class :  
-----
```

```
/ Copyright : Copyright(c) 2013  
/ Philips Healthcare Best  
/
```

```
/ File : GeoPSGFDPASlave.cpp  
/
```

```
/ Class : CGeoPSGFDPASlave  
-----
```

```
/ Copyright : Copyright(c) 2013  
/ Philips Medical Systems Nederland B.V.  
/
```

```
/ File : GeoPSGFDPASlave.h  
/
```

```
/ Classes : CGeoPSGFDPASlave  
-----
```

```
/ Copyright : Copyright(c) 2013  
/ Koninklijke Philips Electronics N.V.  
/ Philips Healthcare B.V.  
/
```

```
-----  
/ Copyright : Copyright(c) 2013  
/ Philips Medical Systems Nederland B.V.  
/  
/ File : GeoGSCTraceCleaner.cpp  
/  
/ Class : CGeoGSCTraceCleaner  
ifndef GEOGSCTRACECLEANER_H  
define GEOGSCTRACECLEANER_H  
-----  
/ Copyright : Copyright(c) 2013  
/ Philips Medical Systems Nederland B.V.  
/  
/ File : GeoGSCTraceCleaner.h  
/  
/ Class : CGeoGSCTraceCleaner  
  
-----  
/ Copyright : Copyright(c) 2013,  
/ Philips Medical Systems Nederland B.V.  
/  
/ File : WinMemUsed.cpp  
/  
/ Class :  
  
-----  
/ Copyright : Copyright(c) 2013  
/ Philips Healthcare Best  
/  
/ File : GeoPSGFDPASlave.cpp  
/  
/ Class : CGeoPSGFDPASlave  
-----  
/ Copyright : Copyright(c) 2013  
/ Philips Medical Systems Nederland B.V.  
/  
/ File : GeoPSGFDPASlave.h  
/  
/ Classes : CGeoPSGFDPASlave  
  
-----  
/ Copyright : Copyright(c) 2013  
/ Koninklijke Philips Electronics N.V.  
/ Philips Healthcare B.V.  
/
```

```
/ File      : GeoAxsCtrlGeo.cpp
```

```
/
```

```
/-----
```

```
/ Copyright : Copyright(c) 2013  
/          Koninklijke Philips Electronics N.V.  
/          Philips Healthcare B.V.
```

```
/
```

```
/ File      : GeoAxsCtrlGeo.h
```

```
/
```

```
/-----
```

```
/ Copyright : Copyright(c) 2013  
/          Philips Healthcare Best
```

```
/
```

```
/ File      : GeoAXSForceSensorMonitor.cpp
```

```
/
```

```
/ Class     : CAXSForceMonitor  
ifndef GEOAXSMISCMONITOR_H  
define GEOAXSMISCMONITOR_H
```

```
/-----
```

```
/ Copyright : Copyright(c) 2013  
/          Philips Healthcare Best
```

```
/
```

```
/ File      : GeoAXSMiscMonitor.h
```

```
/
```

```
/ Class     : CAXSMiscMonitor
```

```
/=====
```

```
=====
```

```
/ Copyright : Copyright(c) 2013  
/          Koninklijke Philips Electronics N.V.  
/          Philips Healthcare B.V.
```

```
/
```

```
/ File      : GeoDARSlave.cpp
```

```
/
```

```
/=====
```

```
=====
```

```
/ Copyright : Copyright(c) 2013  
/          Koninklijke Philips Electronics N.V.  
/          Philips Healthcare B.V.
```

```
/
```

```
/ File      : GeoDARSlave.h
```

```
/
```

```
/ File      : GeoAxsCtrlGeo.cpp
/
```

```
/-----
/ Copyright : Copyright(c) 2013
/           Koninklijke Philips Electronics N.V.
/           Philips Healthcare B.V.
/
```

```
/ File      : GeoAxsCtrlGeo.h
/
```

```
/-----
/ Copyright : Copyright(c) 2013
/           Philips Healthcare Best
/
```

```
/ File      : GeoAXSForceSensorMonitor.cpp
/
```

```
/ Class     : CAXSForceMonitor
#ifdef GEOAXSMISCMONITOR_H
define GEOAXSMISCMONITOR_H
```

```
/-----
/ Copyright : Copyright(c) 2013
/           Philips Healthcare Best
/
```

```
/ File      : GeoAXSMiscMonitor.h
/
/ Class     : CAXSMiscMonitor
```

```
/=====
=====
```

```
/ Copyright : Copyright(c) 2013
/           Koninklijke Philips Electronics N.V.
/           Philips Healthcare B.V.
/
```

```
/ File      : GeoDARSlave.cpp
/
```

```
/=====
=====
```

```
/ Copyright : Copyright(c) 2013
/           Koninklijke Philips Electronics N.V.
/           Philips Healthcare B.V.
/
```

```
/ File      : GeoDARSlave.h
/
```

```

=====
/ Copyright : Copyright(c) 2013
/      Koninklijke Philips Electronics N.V.
/      Philips Healthcare B.V.
/
/ File      : GeoDARSlaveUtil.cpp
/

=====
/ Copyright : Copyright(c) 2013
/      Koninklijke Philips Electronics N.V.
/      Philips Healthcare B.V.
/
/ File      : GeoDARSlaveUtil.h
/
endif
=====
/ Copyright : Copyright(c) 2013
/      Koninklijke Philips Electronics N.V.
/      Philips Healthcare B.V.
/
/ File      : GeoDARSlaveTest.cpp
/

=====
/ Copyright : Copyright(c) 2013
/      Koninklijke Philips Electronics N.V.
/      Philips Healthcare B.V.
/
/ File      : GeoDARSlaveTest.h
/

-----
/ Copyright : Copyright(c) 2013
/      Philips Medical Systems Nederland B.V.
/
/ File      : GeoFSBodyGuardEnableParameter.cpp
/
/ Class     : CGeoFSBodyGuardEnableParameter

-----
/ Copyright : Copyright(c) 2013

```

```

/      Philips Medical Systems Nederland B.V.
/
/ File   : GeoFSBodyGuardEnableParameter.h
/
/ Class  : CGeoFSBodyGuardEnableParameter

/-----
/ Copyright : Copyright(c) 2013
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/
/ File   : GeoFSHighSpeedEnableParameter.cpp
/
/ Class  : CGeoFSHighSpeedEnableParameter

/-----
/ Copyright : Copyright(c) 2013
/      Philips Medical Systems Nederland B.V.
/
/ File   : GeoFSHighSpeedEnableParameter.h
/
/ Class  : CGeoFSHighSpeedEnableParameter
ifndef IFSCGENSERVICEMDL_IDL
define IFSCGENSERVICEMDL_IDL

/
/ Copyright(C) 2013, Koninklijke Philips Electronics N.V.
/

include "FSCGenServiceFactoryInterface.idl"

include "IFSCGenConfig.idl"

ifndef IFSCGENDFARERESULT_IDL
define IFSCGENDFARERESULT_IDL
/
/ Copyright(C) 2013, Koninklijke Philips Electronics N.V.
/

/
/ INTERFACE INCLUDES
/
ifndef MIOMPDTYPES_IF
define MIOMPDTYPES_IF
/
/-----
/ Copyright : Copyright(c) 2013, Philips Medical Systems Nederland B.V.

```



```

/
/ File      : MioMPDTypes.idl
/
/ Interface :
/
/-----
/ Copyright : Copyright(c) 2013
/           Koninklijke Philips Electronics N.V.
/           Philips Healthcare B.V.
/
include "StdAfx.h"
include "FootSwitchFacade.h"
/-----
/ Copyright : Copyright(c) 2013
/           Koninklijke Philips Electronics N.V.
/           Philips Healthcare B.V.
/

include "StdAfx.h"

/-----
/ Copyright : Copyright(c) 2013
/           Koninklijke Philips Electronics N.V.
/           Philips Healthcare B.V.
/
/ File      : FrontalStandAdjustmentPart.cpp
/
/-----
/ Copyright : Copyright(c) 2013
/           Koninklijke Philips Electronics N.V.
/           Philips Healthcare B.V.
/
/ File      : FrontalStandAdjustmentPart.h
/
;
/-----
/ Copyright : Copyright(c) 2013
/           Koninklijke Philips Electronics N.V.
/           Philips Healthcare B.V.
/
/ File      : FrontalStandAdjustmentPresetPage.cpp
/

/-----
/ Copyright : Copyright(c) 2013
/           Koninklijke Philips Electronics N.V.

```

```

/      Philips Healthcare B.V.
/
/ File      : FrontalStandAdjustmentPresetPage.h
/
-----
/ Copyright : Copyright(c) 2013
/      Koninklijke Philips Electronics N.V.
/      Philips Healthcare B.V.
/
/ File      : FrontalStandAdjustmentProcedure.cpp
/
-----
/ Copyright : Copyright(c) 2013
/      Koninklijke Philips Electronics N.V.
/      Philips Healthcare B.V.
/
/ File      : FrontalStandAdjustmentProcedure.h
/
;
w:\uPOS\POS\FieldService\FSWebGeo\src\FrontalStandAdjustmentStaticOutputPage.cpp
-----
/ Copyright : Copyright(c) 2013
/      Koninklijke Philips Electronics N.V.
/      Philips Healthcare B.V.
/
/ File      : FrontalStandAdjustmentStaticOutputPage.cpp
/
-----
/ Copyright : Copyright(c) 2013
/      Koninklijke Philips Electronics N.V.
/      Philips Healthcare B.V.
/
/ File      : FrontalStandAdjustmentStaticOutputPage.h
/
-----
/ Copyright : Copyright(c) 2013
/      Koninklijke Philips Electronics N.V.
/      Philips Healthcare B.V.
/
/ File      : FSWebGeoNumberUtility.cpp
/
-----
/ Copyright : Copyright(c) 2013
/      Koninklijke Philips Electronics N.V.
/      Philips Healthcare B.V.
/

```

```
/ File      : PositionAdjustmentSelectionPage.cpp
/
/-----
/ Copyright : Copyright(c) 2013
/           Koninklijke Philips Electronics N.V.
/           Philips Healthcare B.V.
/
/ File      : PositionAdjustmentSelectionPage.h
/
/
/ Copyright(C) 2013, Koninklijke Philips Electronics N.V.
/
/
/ INCLUDES
/
if _MSC_VER >= 1000
pragma once
endif // _MSC_VER >= 1000
/
/ Copyright(C) 2013, Koninklijke Philips Electronics N.V.
/
/
/ INCLUDES & FORWARD CLASS DECLARATIONS
/
/
/ Copyright(C) 2013, Koninklijke Philips Electronics N.V.
/
/
/ INCLUDES
/
if _MSC_VER >= 1000
pragma once
endif // _MSC_VER >= 1000
/
/ Copyright(C) 2013, Koninklijke Philips Electronics N.V.
/
/
/ INCLUDES & FORWARD CLASS DECLARATIONS
/
if _MSC_VER >= 1000
pragma once
endif // _MSC_VER >= 1000

/
/ Copyright(C) 2013, Koninklijke Philips Electronics N.V.
/
```

```
/
/ INCLUDES & FORWARD CLASS DECLARATIONS
/
/
/ Copyright(C) 2013, Koninklijke Philips Electronics N.V.
/
/
/ INCLUDES
/
if _MSC_VER >= 1000
pragma once
endif // _MSC_VER >= 1000
/
/ Copyright(C) 2013, Koninklijke Philips Electronics N.V.
/
/
/ INCLUDES & FORWARD CLASS DECLARATIONS
/
/
/ Copyright(C) 2013, Koninklijke Philips Electronics N.V.
/
/
/ INCLUDES
/
pragma once
endif // _MSC_VER >= 1000
/
/
/ Copyright(C) 2013, Koninklijke Philips Electronics N.V.
/
/
/ INCLUDES & FORWARD CLASS DECLARATIONS
/
/
/ Copyright(C) 2013, Koninklijke Philips Electronics N.V.
/
/
/ INCLUDES
/
if _MSC_VER >= 1000
pragma once
endif // _MSC_VER >= 1000
/
/
/ Copyright(C) 2013, Koninklijke Philips Electronics N.V.
/
```

```

/
/ INCLUDES & FORWARD CLASS DECLARATIONS
/
/
/ Copyright(C) 2013, Koninklijke Philips Electronics N.V.
/
/ INCLUDES
/
include "FSCSysCompStdAfx.h"
/
/ Copyright(C) 2013, Koninklijke Philips Electronics N.V.
/
/
/ INCLUDES
/
if _MSC_VER >= 1000
pragma once
endif // _MSC_VER >= 1000
/
/ Copyright(C) 2013, Koninklijke Philips Electronics N.V.
/
/
/ INCLUDES & FORWARD CLASS DECLARATIONS
/
/==== start of file: w:\uFSSys\FSSys\Pub\FSSys\Inc\IFSCGenServiceMdl.idl
ifndef IFSCGENSERVICEMDL_IDL
define IFSCGENSERVICEMDL_IDL
/
/ Copyright(C) 2013, Koninklijke Philips Electronics N.V.
/
include "FSCGenServiceFactoryInterface.idl"

include "IFSCGenConfig.idl"

ifndef IFSCGENDFARERESULT_IDL
define IFSCGENDFARERESULT_IDL
/
/ Copyright(C) 2013, Koninklijke Philips Electronics N.V.
/
/
/ INTERFACE INCLUDES
/
ifndef MIOMPDTYPES_IF
define MIOMPDTYPES_IF
/
/-----

```

```

/ Copyright : Copyright(c) 2013, Philips Medical Systems Nederland B.V.
/
/ File      : MioMPDTypes.idl
/
/ Interface :
/
if _MSC_VER >= 1000
pragma once
endif // _MSC_VER >= 1000
/
/ Copyright(C) 2013, Koninklijke Philips Electronics N.V.
/
/
/ INCLUDES
/
/
/ Copyright(C) 2013, Koninklijke Philips Electronics N.V.
/
/
/ INCLUDES
/
if _MSC_VER >= 1000
pragma once
endif // _MSC_VER >= 1000
/
/ Copyright(C) 2013, Koninklijke Philips Electronics N.V.
/
/
/ INCLUDES
/
if _MSC_VER >= 1000
pragma once
endif // _MSC_VER >= 1000
/
/ Copyright(C) 2013, Koninklijke Philips Electronics N.V.
/
/
/ INCLUDES
/
if _MSC_VER >= 1000
pragma once
endif // _MSC_VER >= 1000
/
/ Copyright(C) 2013, Koninklijke Philips Electronics N.V.
/
/
/ INCLUDES & FORWARD CLASS DECLARATIONS
/
endif // UCSDEGHOSTINGCALIBRATION_H

```



```

/
/ Copyright(C) 2013, Koninklijke Philips Electronics N.V.
/
/
/ INCLUDES
/
/
/ Copyright(C) 2013, Koninklijke Philips Electronics N.V.
/
/
/ INCLUDES
/
if _MSC_VER >= 1000
pragma once
endif // _MSC_VER >= 1000
/
/ Copyright(C) 2013, Koninklijke Philips Electronics N.V.
/
/
/ INCLUDES & FORWARD CLASS DECLARATIONS
/
/
/ Copyright(C) 2013, Koninklijke Philips Electronics N.V.
/
/
/ INCLUDES
/
if _MSC_VER >= 1000
pragma once
endif // _MSC_VER >= 1000
/
/ Copyright(C) 2013, Koninklijke Philips Electronics N.V.
/
/
/ INCLUDES & FORWARD CLASS DECLARATIONS
/
if _MSC_VER >= 1000
pragma once
endif // _MSC_VER >= 1000
/
/ Copyright(C) 2013, Koninklijke Philips Electronics N.V.
/
/
/ MACRO DEFINITIONS
/
/

```

```

/ Copyright(C) 2013, Koninklijke Philips Electronics N.V.
/
/
/ INCLUDES
/
if _MSC_VER >= 1000
pragma once
endif // _MSC_VER >= 1000
/
/ Copyright(C) 2013, Koninklijke Philips Electronics N.V.
/
/
/ INCLUDES & FORWARD CLASS DECLARATIONS
/
ifndef MIOMPDTYPES_IF
define MIOMPDTYPES_IF
/
/-----
/ Copyright : Copyright(c) 2013, Philips Medical Systems Nederland B.V.
/
/ File      : MioMPDTypes.idl
/
/ Interface :
/
ifndef MIOMPDTYPES_IF
define MIOMPDTYPES_IF
/
/-----
/ Copyright : Copyright(c) 2013, Philips Medical Systems Nederland B.V.
/
/ File      : MioMPDTypes.idl
/
/ Interface :
/
/-----
/ Copyright : Copyright(c) 2013, Philips Medical Systems Nederland B.V.
/
/ File      : MioMPDPowerTaps.cpp
/
/ Class     : CMioMPDPowerTaps
/
if _MSC_VER >= 1000
pragma once
endif // _MSC_VER >= 1000

```

```

/-----
/ Copyright : Copyright(c) 2013, Philips Medical Systems Nederland B.V.
/
/ File      : MioMPDPowerTaps.h
/
/ Class     : CMioMPDPowerTaps
/
endif // MIOFSPDUBACKUPPRESTORECALLBACKATL_H
/-----
/ Copyright : Copyright(c) 2013, Philips Medical Systems Nederland B.V.
/
/ File      : MioGPDUConfig.cpp
/
/ Class     : CMioGPDUConfig
/
if _MSC_VER >= 1000
pragma once
endif // _MSC_VER >= 1000

/-----
/ Copyright : Copyright(c) 2013, Philips Medical Systems Nederland B.V.
/
/ File      : MioGPDUConfig.h
/
/ Class     : CMioGPDUConfig
/
/-----
/ Copyright : Copyright(c) 2013, Philips Medical Systems Nederland B.V.
/
/ File      : MioGPDUPR.cpp
/
/ Class     : CMioGPDUPR
/
if _MSC_VER >= 1000
pragma once
endif // _MSC_VER >= 1000

/-----
/ Copyright : Copyright(c) 2013, Philips Medical Systems Nederland B.V.
/
/ File      : MioGPDUPR.h
/
/ Class     : CMioGPDUPR
/
endif
/-----

```

```
/ Copyright : Copyright(c) 2013, Philips Medical Systems Nederland B.V.  
/  
/ File : MioMPDPRFactory.cpp  
/  
/ Class : CMioMPDPRFactory  
/
```

```
-----  
/ Copyright : Copyright(c) 2013, Philips Medical Systems Nederland B.V.  
/  
/ File : MioMPDPdsAdapterProxy.cpp  
/  
/ Class : CMioMPDPdsAdapterProxy  
/  
if _MSC_VER >= 1000  
pragma once  
endif // _MSC_VER >= 1000
```

```
-----  
/ Copyright : Copyright(c) 2013, Philips Medical Systems Nederland B.V.  
/  
/ File : MioMPDPdsAdapterProxy.h  
/  
/ Class : CMioMPDPdsAdapterProxy  
/
```

```
-----  
/ Copyright : Copyright(c) 2013, Philips Medical Systems Nederland B.V.  
/  
/ File : MioMPDPdsAdapterSink.cpp  
/  
/ Class : CMioMPDPdsAdapterSink  
/  
if _MSC_VER >= 1000  
pragma once  
endif // _MSC_VER >= 1000
```

```
-----  
/ Copyright : Copyright(c) 2013, Philips Medical Systems Nederland B.V.  
/  
/ File : MioMPDPdsAdapterSink.h  
/  
/ Class : CMioMPDPdsAdapterSink  
/
```

```
-----
```

```
/ Copyright : Copyright(c) 2013, Philips Medical Systems Nederland B.V.  
/  
/ File      : MioMPDUPR.cpp  
/  
/ Class     : CMioMPDUPR  
/
```

```
/-----  
/ Copyright : Copyright(c) 2013, Philips Medical Systems Nederland B.V.  
/  
/ File      : MioMPDUtilities.cpp  
/  
/ Class     : CMioMPDUtilities  
/
```

```
ifndef MIOMPDUTILITIES_H  
define MIOMPDUTILITIES_H
```

```
/-----  
/ Copyright : Copyright(c) 2013, Philips Medical Systems Nederland B.V.  
/  
/ File      : MioMPDUtilities.h  
/  
/ Class     : CMioMPDUtilities  
/
```

```
ifndef IFSCGENSERVICEMDL_IDL  
define IFSCGENSERVICEMDL_IDL
```

```
/  
/ Copyright(C) 2013, Koninklijke Philips Electronics N.V.  
/
```

```
include "FSCGenServiceFactoryInterface.idl"
```

```
include "IFSCGenConfig.idl"
```

```
ifndef IFSCGENDFARERESULT_IDL  
define IFSCGENDFARERESULT_IDL
```

```
/  
/ Copyright(C) 2013, Koninklijke Philips Electronics N.V.  
/
```

```
/  
/ INTERFACE INCLUDES  
/
```

```
ifndef IFSCGENSERVICEMDL_IDL  
define IFSCGENSERVICEMDL_IDL
```

```

/
/ Copyright(C) 2013, Koninklijke Philips Electronics N.V.
/

include "FSCGenServiceFactoryInterface.idl"

include "IFSCGenConfig.idl"

ifndef IFSCGENDFARERESULT_IDL
define IFSCGENDFARERESULT_IDL
/
/ Copyright(C) 2013, Koninklijke Philips Electronics N.V.
/

/
/ INTERFACE INCLUDES
/
ifndef MIOMPDTYPES_IF
define MIOMPDTYPES_IF
/
/-----
/ Copyright : Copyright(c) 2013, Philips Medical Systems Nederland B.V.
/
/ File      : MioMPDTypes.idl
/
/ Interface :

//-----
// Copyright : Copyright(c) 2013
//           Philips Medical Systems Nederland B.V.
//
// File      : DmtDicomSrItemPool.cpp
//
// Class     : CDmtDicomSrItemPool
#pragma once
#endif // _MSC_VER >= 1000

//
//-----
// Copyright : Copyright(c) 2013
//           Philips Medical Systems Nederland B.V.
//
// File      : DmtDicomSrItemPool.h
//

```



```

// Class      : CDmtDicomSrItemPool

//-----
// Copyright  : Copyright(c) 2013
//             Philips Medical Systems Nederland B.V.
//
// File       : PBFuncMagnusLatLock.cpp
//
// Class      : CPBFuncMagnusLatLock
// }
//-----
// Copyright  : Copyright(c) 2013
//             Philips Medical Systems Nederland B.V.
//
// File       : PBFuncMagnusLatLock.h
//
// Class      : CPBFuncMagnusLatLock
#ifndef MIOMPDTYPES_IF
#define MIOMPDTYPES_IF
//
//-----
// Copyright  : Copyright(c) 2013, Philips Medical Systems Nederland B.V.
//
// File       : MioMPDTypes.idl
//
// Interface  :
//
#ifndef IFSCGENSERVICEMDL_IDL
#define IFSCGENSERVICEMDL_IDL

//
// Copyright(C) 2013, Koninklijke Philips Electronics N.V.
//

#include "FSCGenServiceFactoryInterface.idl"

#include "IFSCGenConfig.idl"

#ifndef IFSCGENDFARERESULT_IDL
#define IFSCGENDFARERESULT_IDL
//
// Copyright(C) 2013, Koninklijke Philips Electronics N.V.
//

//
// INTERFACE INCLUDES

```

```

//
#ifndef MIOMPDTYPES_IF
#define MIOMPDTYPES_IF
//
//-----
// Copyright : Copyright(c) 2013, Philips Medical Systems Nederland B.V.
//
// File      : MioMPDTypes.idl
//
// Interface :
//
END_LITE_COMMANDS
//-----
// Copyright : Copyright(c) 2013, Koninklijke Philips Electronics N.V.
// File      : IpRthlSink.cpp
// Description : -
//-----
//TICS -NAM#004 Underscore is necessary for LITE commands

//-----
// Copyright : Copyright(c) 2013, Koninklijke Philips Electronics N.V.
// File      : IpRthlSink.h
// Description : -
//-----
//TICS -NAM#004: Underscore necessary due to class versioning and LiteWrapper usage
//TICS -NAM#015: camelCase not possible due to LITE commands
//-----
// Copyright : Copyright(c) 2013, Koninklijke Philips Electronics N.V.
// File      : ModuleEvents.h
// Description : -
//-----

#ifndef MODULEEVENTS_H

//-----
// Copyright : Copyright(c) 2013, Koninklijke Philips Electronics N.V.
// File      : ModuleState.cpp
// Description : -
//-----
//TICS -CON#003: explicit cast required

} } } } } // End of namespaces
//-----
// Copyright : Copyright(c) 2013, Koninklijke Philips Electronics N.V.
// File      : ModuleState.h

```

```

// Description : -
//-----
//TICS -NAM#015: keep naming for enumeration

//-----
// Copyright : Copyright(c) 2013, Koninklijke Philips Electronics N.V.
// File      : RthlErrorLogger.h
// Description : -
//-----

#include "Rthl/IErrorLogger.h"

//-----
// Copyright : Copyright(c) 2013, Koninklijke Philips Electronics N.V.
// File      : RthlErrorLogger.h
// Description : -
//-----

#ifndef RTHLErrorLogger_H

//-----
// Copyright : Copyright(c) 2013, Philips Medical Systems Nederland B.V.
// Description : Error logging interface.
// Filename   : IErrorLogger.h
//-----

#ifndef IERRORLogger_H

//-----
// Copyright : Copyright(c) 2013, Philips Medical Systems Nederland B.V.
// Description : Real-time Host Link Connection class
// Filename   : RthlConnection.h
//-----
//TICS -NAM#015: Used lower-case prefix to identify member variables.

//-----
// Copyright : Copyright(c) 2013, Philips Medical Systems Nederland B.V.
// Description : Real-time Host Link Critical Section class
// Filename   : RthlCriticalSection.h
//-----
//TICS -NAM#015: Used lower-case prefix to identify member variables.

//-----

```

```
// Copyright : Copyright(c) 2013, Philips Medical Systems Nederland B.V.  
// Description : Real-time Host Data Buffer class  
// Filename : RthlDataBuffer.h  
//-----  
//TICS -NAM#015: Used lower-case prefix to identify member variables.
```

```
//-----  
// Copyright : Copyright(c) 2013, Philips Medical Systems Nederland B.V.  
// Description : Real-time Host Link defines  
// Filename : RthlDefines.h  
//-----
```

```
#ifndef RTHLDEFINES_H
```

```
//-----  
// Copyright : Copyright(c) 2013, Philips Medical Systems Nederland B.V.  
// Description : Real-time Host Link helper class  
// Filename : RthlHelper.h  
//-----  
//TICS -NAM#015: Used lower-case prefix to identify member variables.  
//TICS -PRE#004: Functionality implemented as a combination of macro and function.
```

```
//-----  
// Copyright : Copyright(c) 2013, Philips Medical Systems Nederland B.V.  
// Description : Real-time Host Link Image Administration class  
// Filename : RthlImageAdmin.h  
//-----  
//TICS -NAM#015: Used lower-case prefix to identify member variables.
```

```
//-----  
// Copyright : Copyright(c) 2013, Philips Medical Systems Nederland B.V.  
// Description : Real-time Host Link ImageData link class  
// Filename : RthlImageDataLink.h  
//-----  
//TICS -NAM#015: Used lower-case prefix to identify member variables.
```

```
//-----  
// Copyright : Copyright(c) 2013, Philips Medical Systems Nederland B.V.  
// Description : Real-time Host Link ImageSync link class  
// Filename : RthlImageSyncLink.h  
//-----  
//TICS -NAM#015: Used lower-case prefix to identify member variables.
```

```

//-----
// Copyright : Copyright(c) 2013, Philips Medical Systems Nederland B.V.
// Description : Real-time Host Link metadata class
// Filename   : RthlMetaData.h
//-----
//TICS -NAM#015: Used lower-case prefix to identify member variables.

//-----
// Copyright : Copyright(c) 2013, Philips Medical Systems Nederland B.V.
// Description : Real-time Host Link OS includes.
// Filename   : RthlOperatingSystemIncludes.h
//-----
//TICS -NAM#015: Used lower-case prefix to identify member variables.

//-----
// Copyright : Copyright(c) 2013, Philips Medical Systems Nederland B.V.
// Description : Real-time Host Link Receiver class
// Filename   : RthlReceiver.h
//-----
//TICS -NAM#015: Used lower-case prefix to identify member variables.

//-----
// Copyright : Copyright(c) 2013, Philips Medical Systems Nederland B.V.
// Description : Real-time Host Link Socket class
// Filename   : RthlSocket.h
//-----
//TICS -NAM#015: Used lower-case prefix to identify member variables.

//-----
// Copyright : Copyright(c) 2013, Philips Medical Systems Nederland B.V.
// Description : Real-time Host Link Transmitter class
// Filename   : RthlTransmitter.h
//-----
//TICS -NAM#015: Used lower-case prefix to identify member variables.

//-----
// Copyright : Copyright(c) 2013, Philips Medical Systems Nederland B.V.
// Description : Real-time Host Link connection class
// Filename   : RthlConnection.cpp
//-----
//TICS -CFL#011: Existence of logging object must be tested prior to writing log message.
//TICS -CFL#016: Ignore warnings about too complex functions.

```

```

//-----
// Copyright : Copyright(c) 2013, Philips Medical Systems Nederland B.V.
// Description : Real-time Host Link Critical Section class
// Filename : RthlCriticalSection.cpp
//-----

#include "RthlOperatingSystemIncludes.h"

//-----
// Copyright : Copyright(c) 2013, Philips Medical Systems Nederland B.V.
// Description : Real-time Host Data Buffer class
// Filename : RthlDataBuffer.cpp
//-----

#include "RthlOperatingSystemIncludes.h"

//-----
// Copyright : Copyright(c) 2013, Philips Medical Systems Nederland B.V.
// Description : Real-time Host Link helper class
// Filename : RthlHelper.cpp
//-----
//TICS -NAM#015: Used lower-case prefix to identify member variables.
//TICS -CFL#011: Existence of logging object must be tested prior to writing log message.

//-----
// Copyright : Copyright(c) 2013, Philips Medical Systems Nederland B.V.
// Description : Real-time Host Link Image Administration class
// Filename : RthlImageAdmin.h
//-----
//TICS -NAM#015: Used lower-case prefix to identify member variables.
//TICS -CFL#011: Existence of logging object must be tested prior to writing log message.

//-----
// Copyright : Copyright(c) 2013, Philips Medical Systems Nederland B.V.
// Description : Real-time Host Link ImageData link class
// Filename : RthlImageDataLink.cpp
//-----
//TICS -CFL#011: Existence of logging object must be tested prior to writing log message.
//TICS -OLC#006: Avoid TICS false positives.

//-----
// Copyright : Copyright(c) 2013, Philips Medical Systems Nederland B.V.
// Description : Real-time Host Link ImageSync link class
// Filename : RthlImageSyncLink.cpp
//-----
//TICS -CFL#011: Existence of logging object must be tested prior to writing log message.
//TICS -CON#007: BOOL to bool conversion issues.

```



```

//-----
// Copyright : Copyright(c) 2013, Philips Medical Systems Nederland B.V.
// Description : Real-time Host Link metadata class
// Filename : RthlMetaData.cpp
//-----
//TICS -CFL#011: Existence of logging object must be tested prior to writing log message.

//-----
// Copyright : Copyright(c) 2013, Philips Medical Systems Nederland B.V.
// Description : Real-time Host Link Receiver class
// Filename : RthlReceiver.cpp
//-----
//TICS -CFL#011: Existence of logging object must be tested prior to writing log message.

//-----
// Copyright : Copyright(c) 2013, Philips Medical Systems Nederland B.V.
// Description : Real-time Host Link socket class
// Filename : RthlSocket.cpp
//-----
//TICS -CFL#011: Existence of logging object must be tested prior to writing log message.

//-----
// Copyright : Copyright(c) 2013, Philips Medical Systems Nederland B.V.
// Description : Real-Time Host Link Transmitter class
// Filename : RthlTransmitter.cpp
//-----
//TICS -CFL#011: Existence of logging object must be tested prior to writing log message.

//-----
// Copyright : Copyright(c) 2013, Philips Medical Systems Nederland B.V.
// Description : Real-time host link error logger class wrapper
// Filename : RthlErrorLoggerWrapper.h
//-----

#pragma once
}}}}}}
//-----
// Copyright : Copyright(c) 2013, Philips Medical Systems Nederland B.V.
// Description : Real-time host link metadata class wrapper
// Filename : RthlMetaDataWrapper.h
//-----

#pragma once
}}}}}} // End of namespaces
//-----

```

```
// Copyright : Copyright(c) 2013, Philips Medical Systems Nederland B.V.  
// Description :  
// Filename : RthlMetaDataWrapperExceptions.h  
//-----
```

```
#pragma once  
}}}}}};
```

```
//-----  
// Copyright : Copyright(c) 2013, Philips Medical Systems Nederland B.V.  
// Description : Real-time host link metadata class wrapper  
// Filename : RthlReceiverWrapper.h  
//-----
```

```
#pragma once  
}}}}}} // End of namespaces  
//-----
```

```
// Copyright : Copyright(c) 2013, Philips Medical Systems Nederland B.V.  
// Description :  
// Filename : RthlReceiverWrapperExceptions.h  
//-----
```

```
#pragma once  
}}}}}};
```

```
//-----  
// Copyright : Copyright(c) 2013, Philips Medical Systems Nederland B.V.  
// Description :  
// Filename : RthlTransmitterWrapper.h  
//-----
```

```
#pragma once  
}}}}}} // End of namespaces  
//-----
```

```
// Copyright : Copyright(c) 2013, Philips Medical Systems Nederland B.V.  
// Description :  
// Filename : RthlTransmitterWrapperExceptions.h  
//-----
```

```
#pragma once  
}}}}}};
```

```
//-----  
// Copyright : Copyright(c) 2013, Philips Medical Systems Nederland B.V.  
// Description : Real-time host link error logger class wrapper  
// Filename : RthlErrorLoggerWrapper.cpp  
//-----
```

```
#include "RthlErrorLoggerWrapper.h"
```

```

}}}}}}
//-----
// Copyright : Copyright(c) 2013, Philips Medical Systems Nederland B.V.
// Description : Real-time host link metadata class wrapper
// Filename   : RthlMetaDataWrapper.cpp
//-----

#include "RthlMetaDataWrapper.h"
} } } } } // End of namespaces
//-----
// Copyright : Copyright(c) 2013, Philips Medical Systems Nederland B.V.
// Description : Real-time host link receiver class wrapper
// Filename   : RthlReceiverWrapper.h
//-----

#include "Rthl\RthlOperatingSystemIncludes.h"
} } } } } // End of namespaces
//-----
// Copyright : Copyright(c) 2013, Philips Medical Systems Nederland B.V.
// Description : Real-time host link transmitter class wrapper
// Filename   : RthlTransmitterWrapper.cpp
//-----

#include "Rthl\RthlOperatingSystemIncludes.h"

//-----
// Copyright : Copyright(c) 2013, Philips Medical Systems Nederland B.V.
// Description : Rthl module test cases.
// Filename   : RthlTestCases.h
//-----

#ifdef RTHLTESTCASES_H

//-----
// Copyright : Copyright(c) 2013, Philips Medical Systems Nederland B.V.
// Description : Simple test interface .
// Filename   : Test.h
//-----
// TICS -STY#020, -OLC#009, -PCA#009, -PRE#001

//-----
// Copyright : Copyright(c) 2013, Philips Medical Systems Nederland B.V.
// Description : Rthl module test cases.
// Filename   : RthlTestCases.cpp
//-----

```

```
//TICS -OLC#009, -PRE#001, -PRE#004, -PCA#009, -STY#004, -CFL#016, -PCA#005, -  
CFL#011, -POR#006
```

```
//-----  
// Copyright : Copyright(c) 2013, Philips Medical Systems Nederland B.V.  
// Description : Rthl module test cases.  
// Filename : Test.cpp  
//-----
```

```
//TICS -CFL#013, -POR#028, -PCA#005, -STY#020
```

```
//TICS -3@102, -3@107, -3@503: Quality Center expects testcase names to be in format  
Tc_xxx.
```

```
//TICS -10@301: Magic numbers are normal to be used in Test Code.
```

```
// Copyright : Copyright(c) 2013, Philips Medical Systems Nederland B.V.
```

```
using System;  
using System.Collections.Generic;  
using NUnit.Framework;  
using Philips.PmsComp.IP.Interfaces;  
//==== start of file: w:\uUIM\UIM\Pub\Host\Inc\MioMPDTypes.idl  
#ifndef MIOMPDTYPES_IF  
#define MIOMPDTYPES_IF
```

```
//  
//-----  
// Copyright : Copyright(c) 2013, Philips Medical Systems Nederland B.V.  
//  
// File : MioMPDTypes.idl  
//  
// Interface :  
//
```

```
//-----  
// Copyright : Copyright(c) 2013,  
// Philips Medical Systems Nederland B.V.  
//  
// File : AcqPersistencyTest.cpp  
//  
// Class : CAcqPersistencyTest
```

```
//-----  
// Copyright : Copyright(c) 2013,  
// Philips Medical Systems Nederland B.V.  
//  
// File : AcqPersistencyTest.h  
//
```

```

// Class      : CAcqPersistencyTest
#endif // FSCXGNACQUISITIONPROXY_H
//
// Copyright(C) 2013, Koninklijke Philips Electronics N.V.
//

//
// INCLUDES
//
#ifndef IFSCGENSERVICEMDL_IDL
#define IFSCGENSERVICEMDL_IDL

//
// Copyright(C) 2013, Koninklijke Philips Electronics N.V.
//

#include "FSCGenServiceFactoryInterface.idl"

#include "IFSCGenConfig.idl"

#ifndef IFSCGENDFARERESULT_IDL
#define IFSCGENDFARERESULT_IDL
//
// Copyright(C) 2013, Koninklijke Philips Electronics N.V.
//

//
// INTERFACE INCLUDES
//
#ifndef MIOMPDTYPES_IF
#define MIOMPDTYPES_IF
//
//-----
// Copyright : Copyright(c) 2013, Philips Medical Systems Nederland B.V.
//
// File      : MioMPDTypes.idl
//
// Interface :
//
//-----
// Copyright : Copyright(c) 2013, Philips Electronics N.V.
//
// Class     : CRevSession
//
// Description :

```

```

//
//
//-----
// Copyright : Copyright(c) 2013, Philips Electronics N.V.
//
// Class : CRevSession
//
// Description : The implementation for CRevSession it too large to handle
//              with a single file. This file contains part of the implementation
//==== start of file: w:\uView\View\Pub\Host\Inc\MioMPDTypes.idl
#ifndef MIOMPDTYPES_IF
#define MIOMPDTYPES_IF
//
//-----
// Copyright : Copyright(c) 2013, Philips Medical Systems Nederland B.V.
//
// File      : MioMPDTypes.idl
//
// Interface :
//
#if _MSC_VER >= 1000
#pragma once
#endif // _MSC_VER >= 1000

//
// Copyright(C) 2013, Koninklijke Philips Electronics N.V.
//

//
// INCLUDES & FORWARD CLASS DECLARATIONS
//
#if _MSC_VER > 1000
#pragma once
#endif // _MSC_VER > 1000

//
// Copyright(C) 2013, Koninklijke Philips Electronics N.V.
//

//
// INCLUDES & FORWARD CLASS DECLARATIONS
//
#endif // FSCIDCONFIGTECHNICALLEVENTDESCRIPTIONTABLE_H
//
// Copyright(C) 2013, Koninklijke Philips Electronics N.V.
//

```



```
//
// INCLUDES
//
#if _MSC_VER >= 1000
#pragma once
#endif // _MSC_VER >= 1000

//
// Copyright(C) 2013, Koninklijke Philips Electronics N.V.
//

//
// INCLUDES & FORWARD CLASS DECLARATIONS
//

//
// Copyright(C) 2013, Koninklijke Philips Electronics N.V.
//

//
// INCLUDES
//
#if _MSC_VER >= 1000
#pragma once
#endif // _MSC_VER >= 1000

//
// Copyright(C) 2013, Koninklijke Philips Electronics N.V.
//

//
// INCLUDES & FORWARD CLASS DECLARATIONS
//
#endif // !defined(FSCIDDFATUNABLEITEMS_H)
//
// Copyright(C) 2013, Koninklijke Philips Electronics N.V.
//

//
// INCLUDES
//

//
// Copyright(C) 2013, Koninklijke Philips Electronics N.V.
//
```

```
//  
// INCLUDES  
//  
#if _MSC_VER >= 1000  
#pragma once  
#endif // _MSC_VER >= 1000  
  
//  
// Copyright(C) 2013, Koninklijke Philips Electronics N.V.  
//  
  
//  
// INCLUDES & FORWARD CLASS DECLARATIONS  
//  
  
//  
// Copyright(C) 2013, Koninklijke Philips Electronics N.V.  
//  
  
//  
// INCLUDES  
//  
#if _MSC_VER >= 1000  
#pragma once  
#endif // _MSC_VER >= 1000  
  
//  
// Copyright(C) 2013, Koninklijke Philips Electronics N.V.  
//  
  
//  
// INCLUDES & FORWARD CLASS DECLARATIONS  
//  
#endif //FSCIDLOOPBACKAURORATECHNICAL EVENTDESCRIPTIONTABLE_H  
//  
// Copyright(C) 2013, Koninklijke Philips Electronics N.V.  
//  
  
//  
// INCLUDES  
//  
#if _MSC_VER >= 1000  
#pragma once  
#endif // _MSC_VER >= 1000
```

```
//
// Copyright(C) 2013, Koninklijke Philips Electronics N.V.
//

//
// INCLUDES & FORWARD CLASS DECLARATIONS
//
#endif // !defined FSCIDLOOPBACKAURORACABLETESTPART_H
//
// Copyright(C) 2013, Koninklijke Philips Electronics N.V.
//

//
// INCLUDES
//
#if _MSC_VER >= 1000
#pragma once
#endif // _MSC_VER >= 1000

//
// Copyright(C) 2013, Koninklijke Philips Electronics N.V.
//

//
// INCLUDES & FORWARD CLASS DECLARATIONS
//
#endif // !defined FSCIDLOOPBACKAURORACONNECTORTESTPART_H
//
// Copyright(C) 2013, Koninklijke Philips Electronics N.V.
//

//
// INCLUDES
//
#if _MSC_VER >= 1000
#pragma once
#endif // _MSC_VER >= 1000

//
// Copyright(C) 2013, Koninklijke Philips Electronics N.V.
//

//
// INCLUDES & FORWARD CLASS DECLARATIONS
//
//
//
```

```

// Copyright(C) 2013, Koninklijke Philips Electronics N.V.
//

//
// INCLUDES
//
#if _MSC_VER > 1000
#pragma once
#endif // _MSC_VER > 1000

//
// Copyright(C) 2013, Koninklijke Philips Electronics N.V.
//

//
// INCLUDES & FORWARD CLASS DECLARATIONS
//

//
// Copyright(C) 2013, Koninklijke Philips Electronics N.V.
//

//
// INCLUDES
//
#if _MSC_VER >= 1000
#pragma once
#endif // _MSC_VER >= 1000

//
// Copyright(C) 2013, Koninklijke Philips Electronics N.V.
//

//
// INCLUDES & FORWARD CLASS DECLARATIONS
//

\FSCID\Src\FSCIDLoopBackAurora\FSCIDLoopBackBiplaneLinkTestPart.cpp
//
// Copyright(C) 2013, Koninklijke Philips Electronics N.V.
//

//
// INCLUDES
//
#if _MSC_VER >= 1000

```

```

#pragma once
#endif // _MSC_VER >= 1000

//
// Copyright(C) 2013, Koninklijke Philips Electronics N.V.
//

//
// INCLUDES & FORWARD CLASS DECLARATIONS
//
//
//-----
// Copyright : Copyright(c) 2013
//           Philips Medical Systems Nederland B.V.
//
// File      : IIDFSBiplaneLinkLoopBack.idl
//
// Interface : IIDFSBiplaneLinkLoopBack
//
//-----
// Copyright : Copyright(c) 2013
//           Philips Medical Systems Nederland B.V.
//
// File      : IIDFSBiplaneLinkDetectorLoopBack.idl
//
// Interface : IIDFSBiplaneLinkDetectorLoopBack
#define IFSCGENSERVICEMDL_IDL
#define IFSCGENSERVICEMDL_IDL

//
// Copyright(C) 2013, Koninklijke Philips Electronics N.V.
//

#include "FSCGenServiceFactoryInterface.idl"

#include "IFSCGenConfig.idl"

#ifndef IFSCGENDFARERESULT_IDL
#define IFSCGENDFARERESULT_IDL
//
// Copyright(C) 2013, Koninklijke Philips Electronics N.V.
//

//
// INTERFACE INCLUDES
//

```

```

#ifndef MIOMPDTYPES_IF
#define MIOMPDTYPES_IF
//
//-----
// Copyright : Copyright(c) 2013, Philips Medical Systems Nederland B.V.
//
// File      : MioMPDTypes.idl
//
// Interface :
//
#ifndef DMTRACECATEGORIES_H
#define DMTRACECATEGORIES_H
//
//-----
// Copyright : Copyright(c) 2013 Philips Electronics N.V.
//
// File      : DmTraceCategories.h
//
// History    :
// - Date: 2013-04-25, Jeyaprabhu J
#ifndef IFSCGENSERVICEMDL_IDL
#define IFSCGENSERVICEMDL_IDL

//
// Copyright(C) 2013, Koninklijke Philips Electronics N.V.
//

#include "FSCGenServiceFactoryInterface.idl"

#include "IFSCGenConfig.idl"

#ifndef IFSCGENDFARERESULT_IDL
#define IFSCGENDFARERESULT_IDL
//
// Copyright(C) 2013, Koninklijke Philips Electronics N.V.
//

//
// INTERFACE INCLUDES
//

//-----
// Copyright : Copyright(c) 2013, Philips Medical Systems Nederland B.V.
//
// File      : EpxtEngineLibGlobalCollections.cpp
//

```



```
// Class    : CEpxtEngineLibGlobalCollections
//
#ifndef EPXTENGINELIBGLOBALCOLLECTIONS_H
#define EPXTENGINELIBGLOBALCOLLECTIONS_H

//-----
// Copyright : Copyright(c) 2013, Philips Medical Systems Nederland B.V.
//
// File      : EpxtEngineLibGlobalCollections.h
//
// Class     : CEpxtEngineLibGlobalCollections
```

**ALLURA XPER VERSION 8.2.0
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CODE INCLUDING COPYRIGHT
NOTICES PERTAINING TO THIS
VERSION (COMPUTER PROGRAM
CONTAINING TRADE SECRETS)**

**NOTE: The computer program which is the subject of the copyright claim contains trade
secret material.**

```

/-----
/ Copyright : Copyright(c) 2013
/           Philips Medical Systems Nederland B.V.
/
/ File      : GeoGSCTraceCleaner.cpp
/
/ Class     : CGeoGSCTraceCleaner
#ifndef GEOGSCTRACECLEANER_H
define GEOGSCTRACECLEANER_H
/-----
/ Copyright : Copyright(c) 2013
/           Philips Medical Systems Nederland B.V.
/
/ File      : GeoGSCTraceCleaner.h
/
/ Class     : CGeoGSCTraceCleaner

/-----
/ Copyright : Copyright(c) 2013,
/           Philips Medical Systems Nederland B.V.
/
/ File      : WinMemUsed.cpp
/
/ Class     :

/-----
/ Copyright : Copyright(c) 2013
/           Philips Healthcare Best
/
/ File      : GeoPSGFDPASlave.cpp
/
/ Class     : CGeoPSGFDPASlave
/-----
/ Copyright : Copyright(c) 2013
/           Philips Medical Systems Nederland B.V.
/
/ File      : GeoPSGFDPASlave.h
/
/ Classes   : CGeoPSGFDPASlave

/-----
/ Copyright : Copyright(c) 2013
/           Koninklijke Philips Electronics N.V.
/           Philips Healthcare B.V.
/

```

/ File : GeoAxsCtrlGeo.cpp

/

/-----
/ Copyright : Copyright(c) 2013

/ Koninklijke Philips Electronics N.V.

/ Philips Healthcare B.V.

/

/ File : GeoAxsCtrlGeo.h

/

/-----
/ Copyright : Copyright(c) 2013

/ Philips Healthcare Best

/

/ File : GeoAXSForceSensorMonitor.cpp

/

/ Class : CAXSForceMonitor

ifndef GEOAXSMISCMONITOR_H

define GEOAXSMISCMONITOR_H

/-----
/ Copyright : Copyright(c) 2013

/ Philips Healthcare Best

/

/ File : GeoAXSMiscMonitor.h

/

/ Class : CAXSMiscMonitor

/=====
=====

/ Copyright : Copyright(c) 2013

/ Koninklijke Philips Electronics N.V.

/ Philips Healthcare B.V.

/

/ File : GeoDARSlave.cpp

/

/=====
=====

/ Copyright : Copyright(c) 2013

/ Koninklijke Philips Electronics N.V.

/ Philips Healthcare B.V.

/

/ File : GeoDARSlave.h

/

```
=====
```

```
/ Copyright : Copyright(c) 2013  
/ Koninklijke Philips Electronics N.V.  
/ Philips Healthcare B.V.  
/  
/ File : GeoDARSlaveUtil.cpp  
/
```

```
=====
```

```
/ Copyright : Copyright(c) 2013  
/ Koninklijke Philips Electronics N.V.  
/ Philips Healthcare B.V.  
/  
/ File : GeoDARSlaveUtil.h  
/  
endif
```

```
=====
```

```
/ Copyright : Copyright(c) 2013  
/ Koninklijke Philips Electronics N.V.  
/ Philips Healthcare B.V.  
/  
/ File : GeoDARSlaveTest.cpp  
/
```

```
=====
```

```
/ Copyright : Copyright(c) 2013  
/ Koninklijke Philips Electronics N.V.  
/ Philips Healthcare B.V.  
/  
/ File : GeoDARSlaveTest.h  
/
```

```
/-----
```

```
/ Copyright : Copyright(c) 2013  
/ Philips Medical Systems Nederland B.V.  
/  
/ File : GeoFSBodyGuardEnableParameter.cpp  
/  
/ Class : CGeoFSBodyGuardEnableParameter
```

```
/-----
```

```
/ Copyright : Copyright(c) 2013
```

```

/      Philips Medical Systems Nederland B.V.
/
/ File      : GeoFSBodyGuardEnableParameter.h
/
/ Class     : CGeoFSBodyGuardEnableParameter

/-----
/ Copyright : Copyright(c) 2013
/      Philips Medical Systems Nederland B.V.
/
/ File      : GeoFSHighSpeedEnableParameter.cpp
/
/ Class     : CGeoFSHighSpeedEnableParameter

/-----
/ Copyright : Copyright(c) 2013
/      Philips Medical Systems Nederland B.V.
/
/ File      : GeoFSHighSpeedEnableParameter.h
/
/ Class     : CGeoFSHighSpeedEnableParameter
#ifndef IFSCGENSERVICEMDL_IDL
define IFSCGENSERVICEMDL_IDL

/
/ Copyright(C) 2013, Koninklijke Philips Electronics N.V.
/

include "FSCGenServiceFactoryInterface.idl"

include "IFSCGenConfig.idl"

ifndef IFSCGENDFARERESULT_IDL
define IFSCGENDFARERESULT_IDL
/
/ Copyright(C) 2013, Koninklijke Philips Electronics N.V.
/

/
/ INTERFACE INCLUDES
/
ifndef MIOMPDTYPES_IF
define MIOMPDTYPES_IF
/
/-----
/ Copyright : Copyright(c) 2013, Philips Medical Systems Nederland B.V.

```



```

/
/ File      : MioMPDTypes.idl
/
/ Interface :
/
/-----
/ Copyright : Copyright(c) 2013
/           Koninklijke Philips Electronics N.V.
/           Philips Healthcare B.V.
/
include "StdAfx.h"
include "FootSwitchFacade.h"
/-----
/ Copyright : Copyright(c) 2013
/           Koninklijke Philips Electronics N.V.
/           Philips Healthcare B.V.
/

include "StdAfx.h"

/-----
/ Copyright : Copyright(c) 2013
/           Koninklijke Philips Electronics N.V.
/           Philips Healthcare B.V.
/
/ File      : FrontalStandAdjustmentPart.cpp
/
/-----
/ Copyright : Copyright(c) 2013
/           Koninklijke Philips Electronics N.V.
/           Philips Healthcare B.V.
/
/ File      : FrontalStandAdjustmentPart.h
/
;
/-----
/ Copyright : Copyright(c) 2013
/           Koninklijke Philips Electronics N.V.
/           Philips Healthcare B.V.
/
/ File      : FrontalStandAdjustmentPresetPage.cpp
/
/-----
/ Copyright : Copyright(c) 2013
/           Koninklijke Philips Electronics N.V.

```

```

/      Philips Healthcare B.V.
/
/ File      : FrontalStandAdjustmentPresetPage.h
/
/-----
/ Copyright : Copyright(c) 2013
/      Koninklijke Philips Electronics N.V.
/      Philips Healthcare B.V.
/
/ File      : FrontalStandAdjustmentProcedure.cpp
/
/-----
/ Copyright : Copyright(c) 2013
/      Koninklijke Philips Electronics N.V.
/      Philips Healthcare B.V.
/
/ File      : FrontalStandAdjustmentProcedure.h
/
;
w:\uPOS\POS\FieldService\FSWebGeo\src\FrontalStandAdjustmentStaticOutputPage.cpp
/-----
/ Copyright : Copyright(c) 2013
/      Koninklijke Philips Electronics N.V.
/      Philips Healthcare B.V.
/
/ File      : FrontalStandAdjustmentStaticOutputPage.cpp
/
/-----
/ Copyright : Copyright(c) 2013
/      Koninklijke Philips Electronics N.V.
/      Philips Healthcare B.V.
/
/ File      : FrontalStandAdjustmentStaticOutputPage.h
/
/-----
/ Copyright : Copyright(c) 2013
/      Koninklijke Philips Electronics N.V.
/      Philips Healthcare B.V.
/
/ File      : FSWebGeoNumberUtility.cpp
/
/-----
/ Copyright : Copyright(c) 2013
/      Koninklijke Philips Electronics N.V.
/      Philips Healthcare B.V.
/

```

```

/ File      : PositionAdjustmentSelectionPage.cpp
/
/-----
/ Copyright : Copyright(c) 2013
/           Koninklijke Philips Electronics N.V.
/           Philips Healthcare B.V.
/
/ File      : PositionAdjustmentSelectionPage.h
/
/
/ Copyright(C) 2013, Koninklijke Philips Electronics N.V.
/
/
/ INCLUDES
/
if _MSC_VER >= 1000
pragma once
endif // _MSC_VER >= 1000
/
/ Copyright(C) 2013, Koninklijke Philips Electronics N.V.
/
/
/ INCLUDES & FORWARD CLASS DECLARATIONS
/
/
/ Copyright(C) 2013, Koninklijke Philips Electronics N.V.
/
/
/ INCLUDES
/
if _MSC_VER >= 1000
pragma once
endif // _MSC_VER >= 1000
/
/ Copyright(C) 2013, Koninklijke Philips Electronics N.V.
/
/
/ INCLUDES & FORWARD CLASS DECLARATIONS
/
if _MSC_VER >= 1000
pragma once
endif // _MSC_VER >= 1000

/
/ Copyright(C) 2013, Koninklijke Philips Electronics N.V.
/

```

```
/
/ INCLUDES & FORWARD CLASS DECLARATIONS
/
/
/ Copyright(C) 2013, Koninklijke Philips Electronics N.V.
/
/
/ INCLUDES
/
if _MSC_VER >= 1000
pragma once
endif // _MSC_VER >= 1000
/
/ Copyright(C) 2013, Koninklijke Philips Electronics N.V.
/
/
/ INCLUDES & FORWARD CLASS DECLARATIONS
/
/
/ Copyright(C) 2013, Koninklijke Philips Electronics N.V.
/
/
/ INCLUDES
/
pragma once
endif // _MSC_VER >= 1000
/
/
/ Copyright(C) 2013, Koninklijke Philips Electronics N.V.
/
/
/ INCLUDES & FORWARD CLASS DECLARATIONS
/
/
/ Copyright(C) 2013, Koninklijke Philips Electronics N.V.
/
/
/ INCLUDES
/
if _MSC_VER >= 1000
pragma once
endif // _MSC_VER >= 1000
/
/ Copyright(C) 2013, Koninklijke Philips Electronics N.V.
/
```

```

/
/ INCLUDES & FORWARD CLASS DECLARATIONS
/
/
/ Copyright(C) 2013, Koninklijke Philips Electronics N.V.
/
/ INCLUDES
/
include "FSCSysCompStdAfx.h"
/
/ Copyright(C) 2013, Koninklijke Philips Electronics N.V.
/
/
/ INCLUDES
/
if _MSC_VER >= 1000
pragma once
endif // _MSC_VER >= 1000
/
/ Copyright(C) 2013, Koninklijke Philips Electronics N.V.
/
/
/ INCLUDES & FORWARD CLASS DECLARATIONS
/
/==== start of file: w:\uFSSys\FSSys\Pub\FSSys\Inc\IFSCGenServiceMdl.idl
ifndef IFSCGENSERVICEMDL_IDL
define IFSCGENSERVICEMDL_IDL
/
/ Copyright(C) 2013, Koninklijke Philips Electronics N.V.
/
include "FSCGenServiceFactoryInterface.idl"

include "IFSCGenConfig.idl"

ifndef IFSCGENDFARERESULT_IDL
define IFSCGENDFARERESULT_IDL
/
/ Copyright(C) 2013, Koninklijke Philips Electronics N.V.
/
/
/ INTERFACE INCLUDES
/
ifndef MIOMPDTYPES_IF
define MIOMPDTYPES_IF
/
/-----

```

```

/ Copyright : Copyright(c) 2013, Philips Medical Systems Nederland B.V.
/
/ File      : MioMPDTypes.idl
/
/ Interface :
/
if _MSC_VER >= 1000
pragma once
endif // _MSC_VER >= 1000
/
/ Copyright(C) 2013, Koninklijke Philips Electronics N.V.
/
/
/ INCLUDES
/
/
/ Copyright(C) 2013, Koninklijke Philips Electronics N.V.
/
/
/ INCLUDES
/
if _MSC_VER >= 1000
pragma once
endif // _MSC_VER >= 1000
/
/ Copyright(C) 2013, Koninklijke Philips Electronics N.V.
/
/
/ INCLUDES
/
/
/ Copyright(C) 2013, Koninklijke Philips Electronics N.V.
/
/
/ INCLUDES
/
if _MSC_VER >= 1000
pragma once
endif // _MSC_VER >= 1000
/
/ Copyright(C) 2013, Koninklijke Philips Electronics N.V.
/
/
/ INCLUDES & FORWARD CLASS DECLARATIONS
/
endif // UCSDEGHOSTINGCALIBRATION_H

```

```
/
/ Copyright(C) 2013, Koninklijke Philips Electronics N.V.
/
/
/ INCLUDES
/
/
/ Copyright(C) 2013, Koninklijke Philips Electronics N.V.
/
/
/ INCLUDES
/
if _MSC_VER >= 1000
pragma once
endif // _MSC_VER >= 1000
/
/ Copyright(C) 2013, Koninklijke Philips Electronics N.V.
/
/
/ INCLUDES & FORWARD CLASS DECLARATIONS
/
/
/ Copyright(C) 2013, Koninklijke Philips Electronics N.V.
/
/
/ INCLUDES
/
if _MSC_VER >= 1000
pragma once
endif // _MSC_VER >= 1000
/
/ Copyright(C) 2013, Koninklijke Philips Electronics N.V.
/
/
/ INCLUDES & FORWARD CLASS DECLARATIONS
/
if _MSC_VER >= 1000
pragma once
endif // _MSC_VER >= 1000
/
/ Copyright(C) 2013, Koninklijke Philips Electronics N.V.
/
/
/ MACRO DEFINITIONS
/
/
```



```

/ Copyright(C) 2013, Koninklijke Philips Electronics N.V.
/
/
/ INCLUDES
/
if _MSC_VER >= 1000
pragma once
endif // _MSC_VER >= 1000
/
/ Copyright(C) 2013, Koninklijke Philips Electronics N.V.
/
/
/ INCLUDES & FORWARD CLASS DECLARATIONS
/
ifndef MIOMPDTYPES_IF
define MIOMPDTYPES_IF
/
/-----
/ Copyright : Copyright(c) 2013, Philips Medical Systems Nederland B.V.
/
/ File : MioMPDTypes.idl
/
/ Interface :
/
ifndef MIOMPDTYPES_IF
define MIOMPDTYPES_IF
/
/-----
/ Copyright : Copyright(c) 2013, Philips Medical Systems Nederland B.V.
/
/ File : MioMPDTypes.idl
/
/ Interface :
/
/-----
/ Copyright : Copyright(c) 2013, Philips Medical Systems Nederland B.V.
/
/ File : MioMPDPowerTaps.cpp
/
/ Class : CMioMPDPowerTaps
/
if _MSC_VER >= 1000
pragma once
endif // _MSC_VER >= 1000

```

```
-----  
/ Copyright : Copyright(c) 2013, Philips Medical Systems Nederland B.V.  
/  
/ File      : MioMPDPowerTaps.h  
/  
/ Class     : CMioMPDPowerTaps  
/  
endif // MIOFSPDUBACKUPRESTORECALLBACKATL_H
```

```
-----  
/ Copyright : Copyright(c) 2013, Philips Medical Systems Nederland B.V.  
/  
/ File      : MioGPDUConfig.cpp  
/  
/ Class     : CMioGPDUConfig  
/  
if _MSC_VER >= 1000  
pragma once  
endif // _MSC_VER >= 1000
```

```
-----  
/ Copyright : Copyright(c) 2013, Philips Medical Systems Nederland B.V.  
/  
/ File      : MioGPDUConfig.h  
/  
/ Class     : CMioGPDUConfig  
/  
-----
```

```
-----  
/ Copyright : Copyright(c) 2013, Philips Medical Systems Nederland B.V.  
/  
/ File      : MioGPDUPR.cpp  
/  
/ Class     : CMioGPDUPR  
/  
if _MSC_VER >= 1000  
pragma once  
endif // _MSC_VER >= 1000
```

```
-----  
/ Copyright : Copyright(c) 2013, Philips Medical Systems Nederland B.V.  
/  
/ File      : MioGPDUPR.h  
/  
/ Class     : CMioGPDUPR  
/  
endif  
-----
```

```
/ Copyright : Copyright(c) 2013, Philips Medical Systems Nederland B.V.
```

```
/
```

```
/ File : MioMPDPRFactory.cpp
```

```
/
```

```
/ Class : CMioMPDPRFactory
```

```
/
```

```
/-----
```

```
/ Copyright : Copyright(c) 2013, Philips Medical Systems Nederland B.V.
```

```
/
```

```
/ File : MioMPDPdsAdapterProxy.cpp
```

```
/
```

```
/ Class : CMioMPDPdsAdapterProxy
```

```
/
```

```
if _MSC_VER >= 1000
```

```
pragma once
```

```
endif // _MSC_VER >= 1000
```

```
/-----
```

```
/ Copyright : Copyright(c) 2013, Philips Medical Systems Nederland B.V.
```

```
/
```

```
/ File : MioMPDPdsAdapterProxy.h
```

```
/
```

```
/ Class : CMioMPDPdsAdapterProxy
```

```
/
```

```
/-----
```

```
/ Copyright : Copyright(c) 2013, Philips Medical Systems Nederland B.V.
```

```
/
```

```
/ File : MioMPDPdsAdapterSink.cpp
```

```
/
```

```
/ Class : CMioMPDPdsAdapterSink
```

```
/
```

```
if _MSC_VER >= 1000
```

```
pragma once
```

```
endif // _MSC_VER >= 1000
```

```
/-----
```

```
/ Copyright : Copyright(c) 2013, Philips Medical Systems Nederland B.V.
```

```
/
```

```
/ File : MioMPDPdsAdapterSink.h
```

```
/
```

```
/ Class : CMioMPDPdsAdapterSink
```

```
/
```

```
/-----
```

```
/ Copyright : Copyright(c) 2013, Philips Medical Systems Nederland B.V.
```

```
/ File : MioMPDUPR.cpp
```

```
/ Class : CMioMPDUPR
```

```
-----  
/ Copyright : Copyright(c) 2013, Philips Medical Systems Nederland B.V.
```

```
/ File : MioMPDUtilities.cpp
```

```
/ Class : CMioMPDUtilities
```

```
ifndef MIOMPDUUTILITIES_H  
define MIOMPDUUTILITIES_H
```

```
-----  
/ Copyright : Copyright(c) 2013, Philips Medical Systems Nederland B.V.
```

```
/ File : MioMPDUtilities.h
```

```
/ Class : CMioMPDUtilities
```

```
ifndef IFSCGENSERVICEMDL_IDL  
define IFSCGENSERVICEMDL_IDL
```

```
/ Copyright(C) 2013, Koninklijke Philips Electronics N.V.
```

```
include "FSCGenServiceFactoryInterface.idl"
```

```
include "IFSCGenConfig.idl"
```

```
ifndef IFSCGENDFARERESULT_IDL  
define IFSCGENDFARERESULT_IDL
```

```
/ Copyright(C) 2013, Koninklijke Philips Electronics N.V.
```

```
/ INTERFACE INCLUDES
```

```
ifndef IFSCGENSERVICEMDL_IDL  
define IFSCGENSERVICEMDL_IDL
```

```

/
/ Copyright(C) 2013, Koninklijke Philips Electronics N.V.
/

include "FSCGenServiceFactoryInterface.idl"

include "IFSCGenConfig.idl"

ifndef IFSCGENDFARERESULT_IDL
define IFSCGENDFARERESULT_IDL
/
/ Copyright(C) 2013, Koninklijke Philips Electronics N.V.
/

/
/ INTERFACE INCLUDES
/
ifndef MIOMPDTYPES_IF
define MIOMPDTYPES_IF
/
/-----
/ Copyright : Copyright(c) 2013, Philips Medical Systems Nederland B.V.
/
/ File : MioMPDTypes.idl
/
/ Interface :
/

//-----
// Copyright : Copyright(c) 2013
// Philips Medical Systems Nederland B.V.
//
// File : DmtDicomSrItemPool.cpp
//
// Class : CDmtDicomSrItemPool
#pragma once
#endif // _MSC_VER >= 1000

//
//-----
// Copyright : Copyright(c) 2013
// Philips Medical Systems Nederland B.V.
//
// File : DmtDicomSrItemPool.h
//

```

```

// Class      : CDmtDicomSrItemPool

//-----
// Copyright  : Copyright(c) 2013
//             Philips Medical Systems Nederland B.V.
//
// File       : PBFuncMagnusLatLock.cpp
//
// Class      : CPBFuncMagnusLatLock
// }
//-----
// Copyright  : Copyright(c) 2013
//             Philips Medical Systems Nederland B.V.
//
// File       : PBFuncMagnusLatLock.h
//
// Class      : CPBFuncMagnusLatLock
#ifndef MIOMPDTYPES_IF
#define MIOMPDTYPES_IF
//
//-----
// Copyright  : Copyright(c) 2013, Philips Medical Systems Nederland B.V.
//
// File       : MioMPDTypes.idl
//
// Interface  :
//
#ifndef IFSCGENSERVICEMDL_IDL
#define IFSCGENSERVICEMDL_IDL

//
// Copyright(C) 2013, Koninklijke Philips Electronics N.V.
//

#include "FSCGenServiceFactoryInterface.idl"

#include "IFSCGenConfig.idl"

#ifndef IFSCGENDFARERESULT_IDL
#define IFSCGENDFARERESULT_IDL
//
// Copyright(C) 2013, Koninklijke Philips Electronics N.V.
//

//
// INTERFACE INCLUDES

```

```

//
#ifndef MIOMPDTYPES_IF
#define MIOMPDTYPES_IF
//
//-----
// Copyright : Copyright(c) 2013, Philips Medical Systems Nederland B.V.
//
// File      : MioMPDTypes.idl
//
// Interface :
//
END_LITE_COMMANDS
//-----
// Copyright : Copyright(c) 2013, Koninklijke Philips Electronics N.V.
// File      : IpRthlSink.cpp
// Description : -
//-----
//TICS -NAM#004 Underscore is necessary for LITE commands

//-----
// Copyright : Copyright(c) 2013, Koninklijke Philips Electronics N.V.
// File      : IpRthlSink.h
// Description : -
//-----
//TICS -NAM#004: Underscore necessary due to class versioning and LiteWrapper usage
//TICS -NAM#015: camelCase not possible due to LITE commands
//-----
// Copyright : Copyright(c) 2013, Koninklijke Philips Electronics N.V.
// File      : ModuleEvents.h
// Description : -
//-----

#ifndef MODULEEVENTS_H

//-----
// Copyright : Copyright(c) 2013, Koninklijke Philips Electronics N.V.
// File      : ModuleState.cpp
// Description : -
//-----
//TICS -CON#003: explicit cast required

} } } } } // End of namespaces
//-----
// Copyright : Copyright(c) 2013, Koninklijke Philips Electronics N.V.
// File      : ModuleState.h

```



```

// Description : -
//-----
//TICS -NAM#015: keep naming for enumeration

//-----
// Copyright : Copyright(c) 2013, Koninklijke Philips Electronics N.V.
// File      : RthlErrorLogger.h
// Description : -
//-----

#include "Rthl/IErrorLogger.h"

//-----
// Copyright : Copyright(c) 2013, Koninklijke Philips Electronics N.V.
// File      : RthlErrorLogger.h
// Description : -
//-----

#ifdef RTHLERRORLOGGER_H

//-----
// Copyright : Copyright(c) 2013, Philips Medical Systems Nederland B.V.
// Description : Error logging interface.
// Filename   : IErrorLogger.h
//-----

#ifdef IERRORLOGGER_H

//-----
// Copyright : Copyright(c) 2013, Philips Medical Systems Nederland B.V.
// Description : Real-time Host Link Connection class
// Filename   : RthlConnection.h
//-----
//TICS -NAM#015: Used lower-case prefix to identify member variables.

//-----
// Copyright : Copyright(c) 2013, Philips Medical Systems Nederland B.V.
// Description : Real-time Host Link Critical Section class
// Filename   : RthlCriticalSection.h
//-----
//TICS -NAM#015: Used lower-case prefix to identify member variables.

//-----

```

```

// Copyright : Copyright(c) 2013, Philips Medical Systems Nederland B.V.
// Description : Real-time Host Data Buffer class
// Filename : RthlDataBuffer.h
//-----
//TICS -NAM#015: Used lower-case prefix to identify member variables.

//-----
// Copyright : Copyright(c) 2013, Philips Medical Systems Nederland B.V.
// Description : Real-time Host Link defines
// Filename : RthlDefines.h
//-----

#ifndef RTHLDEFINES_H

//-----
// Copyright : Copyright(c) 2013, Philips Medical Systems Nederland B.V.
// Description : Real-time Host Link helper class
// Filename : RthlHelper.h
//-----
//TICS -NAM#015: Used lower-case prefix to identify member variables.
//TICS -PRE#004: Functionality implemented as a combination of macro and function.

//-----
// Copyright : Copyright(c) 2013, Philips Medical Systems Nederland B.V.
// Description : Real-time Host Link Image Administration class
// Filename : RthlImageAdmin.h
//-----
//TICS -NAM#015: Used lower-case prefix to identify member variables.

//-----
// Copyright : Copyright(c) 2013, Philips Medical Systems Nederland B.V.
// Description : Real-time Host Link ImageData link class
// Filename : RthlImageDataLink.h
//-----
//TICS -NAM#015: Used lower-case prefix to identify member variables.

//-----
// Copyright : Copyright(c) 2013, Philips Medical Systems Nederland B.V.
// Description : Real-time Host Link ImageSync link class
// Filename : RthlImageSyncLink.h
//-----
//TICS -NAM#015: Used lower-case prefix to identify member variables.

```

```

//-----
// Copyright : Copyright(c) 2013, Philips Medical Systems Nederland B.V.
// Description : Real-time Host Link metadata class
// Filename : RthlMetaData.h
//-----
//TICS -NAM#015: Used lower-case prefix to identify member variables.

//-----
// Copyright : Copyright(c) 2013, Philips Medical Systems Nederland B.V.
// Description : Real-time Host Link OS includes.
// Filename : RthlOperatingSystemIncludes.h
//-----
//TICS -NAM#015: Used lower-case prefix to identify member variables.

//-----
// Copyright : Copyright(c) 2013, Philips Medical Systems Nederland B.V.
// Description : Real-time Host Link Receiver class
// Filename : RthlReceiver.h
//-----
//TICS -NAM#015: Used lower-case prefix to identify member variables.

//-----
// Copyright : Copyright(c) 2013, Philips Medical Systems Nederland B.V.
// Description : Real-time Host Link Socket class
// Filename : RthlSocket.h
//-----
//TICS -NAM#015: Used lower-case prefix to identify member variables.

//-----
// Copyright : Copyright(c) 2013, Philips Medical Systems Nederland B.V.
// Description : Real-time Host Link Transmitter class
// Filename : RthlTransmitter.h
//-----
//TICS -NAM#015: Used lower-case prefix to identify member variables.

//-----
// Copyright : Copyright(c) 2013, Philips Medical Systems Nederland B.V.
// Description : Real-time Host Link connection class
// Filename : RthlConnection.cpp
//-----
//TICS -CFL#011: Existence of logging object must be tested prior to writing log message.
//TICS -CFL#016: Ignore warnings about too complex functions.

```

```

//-----
// Copyright : Copyright(c) 2013, Philips Medical Systems Nederland B.V.
// Description : Real-time Host Link Critical Section class
// Filename : RthlCriticalSection.cpp
//-----

#include "RthlOperatingSystemIncludes.h"

//-----
// Copyright : Copyright(c) 2013, Philips Medical Systems Nederland B.V.
// Description : Real-time Host Data Buffer class
// Filename : RthlDataBuffer.cpp
//-----

#include "RthlOperatingSystemIncludes.h"

//-----
// Copyright : Copyright(c) 2013, Philips Medical Systems Nederland B.V.
// Description : Real-time Host Link helper class
// Filename : RthlHelper.cpp
//-----
//TICS -NAM#015: Used lower-case prefix to identify member variables.
//TICS -CFL#011: Existence of logging object must be tested prior to writing log message.

//-----
// Copyright : Copyright(c) 2013, Philips Medical Systems Nederland B.V.
// Description : Real-time Host Link Image Administration class
// Filename : RthlImageAdmin.h
//-----
//TICS -NAM#015: Used lower-case prefix to identify member variables.
//TICS -CFL#011: Existence of logging object must be tested prior to writing log message.

//-----
// Copyright : Copyright(c) 2013, Philips Medical Systems Nederland B.V.
// Description : Real-time Host Link ImageData link class
// Filename : RthlImageDataLink.cpp
//-----
//TICS -CFL#011: Existence of logging object must be tested prior to writing log message.
//TICS -OLC#006: Avoid TICS false positives.

//-----
// Copyright : Copyright(c) 2013, Philips Medical Systems Nederland B.V.
// Description : Real-time Host Link ImageSync link class
// Filename : RthlImageSyncLink.cpp
//-----
//TICS -CFL#011: Existence of logging object must be tested prior to writing log message.
//TICS -CON#007: BOOL to bool conversion issues.

```

```
//-----  
// Copyright : Copyright(c) 2013, Philips Medical Systems Nederland B.V.  
// Description : Real-time Host Link metadata class  
// Filename : RthlMetaData.cpp  
//-----  
//TICS -CFL#011: Existence of logging object must be tested prior to writing log message.
```

```
//-----  
// Copyright : Copyright(c) 2013, Philips Medical Systems Nederland B.V.  
// Description : Real-time Host Link Receiver class  
// Filename : RthlReceiver.cpp  
//-----  
//TICS -CFL#011: Existence of logging object must be tested prior to writing log message.
```

```
//-----  
// Copyright : Copyright(c) 2013, Philips Medical Systems Nederland B.V.  
// Description : Real-time Host Link socket class  
// Filename : RthlSocket.cpp  
//-----  
//TICS -CFL#011: Existence of logging object must be tested prior to writing log message.
```

```
//-----  
// Copyright : Copyright(c) 2013, Philips Medical Systems Nederland B.V.  
// Description : Real-Time Host Link Transmitter class  
// Filename : RthlTransmitter.cpp  
//-----  
//TICS -CFL#011: Existence of logging object must be tested prior to writing log message.
```

```
//-----  
// Copyright : Copyright(c) 2013, Philips Medical Systems Nederland B.V.  
// Description : Real-time host link error logger class wrapper  
// Filename : RthlErrorLoggerWrapper.h  
//-----
```

```
#pragma once  
}}}}}}
```

```
//-----  
// Copyright : Copyright(c) 2013, Philips Medical Systems Nederland B.V.  
// Description : Real-time host link metadata class wrapper  
// Filename : RthlMetaDataWrapper.h  
//-----
```

```
#pragma once  
} } } } } // End of namespaces  
//-----
```

```
// Copyright : Copyright(c) 2013, Philips Medical Systems Nederland B.V.  
// Description :  
// Filename : RthlMetaDataWrapperExceptions.h  
//-----
```

```
#pragma once  
}}}}}};
```

```
//-----  
// Copyright : Copyright(c) 2013, Philips Medical Systems Nederland B.V.  
// Description : Real-time host link metadata class wrapper  
// Filename : RthlReceiverWrapper.h  
//-----
```

```
#pragma once  
}}}}}} // End of namespaces
```

```
//-----  
// Copyright : Copyright(c) 2013, Philips Medical Systems Nederland B.V.  
// Description :  
// Filename : RthlReceiverWrapperExceptions.h  
//-----
```

```
#pragma once  
}}}}}};
```

```
//-----  
// Copyright : Copyright(c) 2013, Philips Medical Systems Nederland B.V.  
// Description :  
// Filename : RthlTransmitterWrapper.h  
//-----
```

```
#pragma once  
}}}}}} // End of namespaces
```

```
//-----  
// Copyright : Copyright(c) 2013, Philips Medical Systems Nederland B.V.  
// Description :  
// Filename : RthlTransmitterWrapperExceptions.h  
//-----
```

```
#pragma once  
}}}}}};
```

```
//-----  
// Copyright : Copyright(c) 2013, Philips Medical Systems Nederland B.V.  
// Description : Real-time host link error logger class wrapper  
// Filename : RthlErrorLoggerWrapper.cpp  
//-----
```

```
#include "RthlErrorLoggerWrapper.h"
```

```

}}}}}}
//-----
// Copyright : Copyright(c) 2013, Philips Medical Systems Nederland B.V.
// Description : Real-time host link metadata class wrapper
// Filename   : RthlMetaDataWrapper.cpp
//-----

#include "RthlMetaDataWrapper.h"
} } } } } // End of namespaces
//-----
// Copyright : Copyright(c) 2013, Philips Medical Systems Nederland B.V.
// Description : Real-time host link receiver class wrapper
// Filename   : RthlReceiverWrapper.h
//-----

#include "Rthl\RthlOperatingSystemIncludes.h"
} } } } } // End of namespaces
//-----
// Copyright : Copyright(c) 2013, Philips Medical Systems Nederland B.V.
// Description : Real-time host link transmitter class wrapper
// Filename   : RthlTransmitterWrapper.cpp
//-----

#include "Rthl\RthlOperatingSystemIncludes.h"

//-----
// Copyright : Copyright(c) 2013, Philips Medical Systems Nederland B.V.
// Description : Rthl module test cases.
// Filename   : RthlTestCases.h
//-----

#ifndef RTHLTESTCASES_H

//-----
// Copyright : Copyright(c) 2013, Philips Medical Systems Nederland B.V.
// Description : Simple test interface .
// Filename   : Test.h
//-----
// TICS -STY#020, -OLC#009, -PCA#009, -PRE#001

//-----
// Copyright : Copyright(c) 2013, Philips Medical Systems Nederland B.V.
// Description : Rthl module test cases.
// Filename   : RthlTestCases.cpp
//-----

```



```
//TICS -OLC#009, -PRE#001, -PRE#004, -PCA#009, -STY#004, -CFL#016, -PCA#005, -  
CFL#011, -POR#006
```

```
//-----  
// Copyright : Copyright(c) 2013, Philips Medical Systems Nederland B.V.  
// Description : Rthl module test cases.  
// Filename : Test.cpp  
//-----
```

```
//TICS -CFL#013, -POR#028, -PCA#005, -STY#020
```

```
//TICS -3@102, -3@107, -3@503: Quality Center expects testcase names to be in format  
Tc_xxx.  
//TICS -10@301: Magic numbers are normal to be used in Test Code.
```

```
// Copyright : Copyright(c) 2013, Philips Medical Systems Nederland B.V.
```

```
using System;  
using System.Collections.Generic;  
using NUnit.Framework;  
using Philips.PmsComp.IP.Interfaces;  
//==== start of file: w:\uUIM\UIM\Pub\Host\Inc\MioMPDTypes.idl  
#ifndef MIOMPDTYPES_IF  
#define MIOMPDTYPES_IF  
//  
//-----
```

```
// Copyright : Copyright(c) 2013, Philips Medical Systems Nederland B.V.  
//  
// File : MioMPDTypes.idl  
//  
// Interface :  
//
```

```
//-----  
// Copyright : Copyright(c) 2013,  
// Philips Medical Systems Nederland B.V.  
//  
// File : AcqPersistencyTest.cpp  
//  
// Class : CAcqPersistencyTest
```

```
//-----  
// Copyright : Copyright(c) 2013,  
// Philips Medical Systems Nederland B.V.  
//  
// File : AcqPersistencyTest.h  
//
```

```

// Class      : CAcqPersistencyTest
#endif // FSCXGNACQUISITIONPROXY_H
//
// Copyright(C) 2013, Koninklijke Philips Electronics N.V.
//

//
// INCLUDES
//
#ifndef IFSCGENSERVICEMDL_IDL
#define IFSCGENSERVICEMDL_IDL

//
// Copyright(C) 2013, Koninklijke Philips Electronics N.V.
//

#include "FSCGenServiceFactoryInterface.idl"

#include "IFSCGenConfig.idl"

#ifndef IFSCGENDFARERESULT_IDL
#define IFSCGENDFARERESULT_IDL
//
// Copyright(C) 2013, Koninklijke Philips Electronics N.V.
//

//
// INTERFACE INCLUDES
//
#ifndef MIOMPDTYPES_IF
#define MIOMPDTYPES_IF
//
//-----
// Copyright : Copyright(c) 2013, Philips Medical Systems Nederland B.V.
//
// File      : MioMPDTypes.idl
//
// Interface :
//
//-----
// Copyright : Copyright(c) 2013, Philips Electronics N.V.
//
// Class     : CRevSession
//
// Description :

```

```

//
//
//-----
// Copyright : Copyright(c) 2013, Philips Electronics N.V.
//
// Class : CRevSession
//
// Description : The implementation for CRevSession it too large to handle
//               with a single file. This file contains part of the implementation
//===== start of file: w:\uView\View\Pub\Host\Inc\MioMPDTypes.idl
#ifndef MIOMPDTYPES_IF
#define MIOMPDTYPES_IF
//
//-----
// Copyright : Copyright(c) 2013, Philips Medical Systems Nederland B.V.
//
// File      : MioMPDTypes.idl
//
// Interface :
//
#if _MSC_VER >= 1000
#pragma once
#endif // _MSC_VER >= 1000

//
// Copyright(C) 2013, Koninklijke Philips Electronics N.V.
//

//
// INCLUDES & FORWARD CLASS DECLARATIONS
//
#if _MSC_VER > 1000
#pragma once
#endif // _MSC_VER > 1000

//
// Copyright(C) 2013, Koninklijke Philips Electronics N.V.
//

//
// INCLUDES & FORWARD CLASS DECLARATIONS
//
#endif // FSCIDCONFIGTECHNICAL EVENTDESCRIPTIONTABLE_H
//
// Copyright(C) 2013, Koninklijke Philips Electronics N.V.
//

```

```
//  
// INCLUDES  
//  
#if _MSC_VER >= 1000  
#pragma once  
#endif // _MSC_VER >= 1000  
  
//  
// Copyright(C) 2013, Koninklijke Philips Electronics N.V.  
//  
  
//  
// INCLUDES & FORWARD CLASS DECLARATIONS  
//  
  
//  
// Copyright(C) 2013, Koninklijke Philips Electronics N.V.  
//  
  
//  
// INCLUDES  
//  
#if _MSC_VER >= 1000  
#pragma once  
#endif // _MSC_VER >= 1000  
  
//  
// Copyright(C) 2013, Koninklijke Philips Electronics N.V.  
//  
  
//  
// INCLUDES & FORWARD CLASS DECLARATIONS  
//  
#endif // !defined(FSCIDDFATUNABLEITEMS_H)  
//  
// Copyright(C) 2013, Koninklijke Philips Electronics N.V.  
//  
  
//  
// INCLUDES  
//  
  
//  
// Copyright(C) 2013, Koninklijke Philips Electronics N.V.  
//
```

```

//
// INCLUDES
//
#if _MSC_VER >= 1000
#pragma once
#endif // _MSC_VER >= 1000

//
// Copyright(C) 2013, Koninklijke Philips Electronics N.V.
//

//
// INCLUDES & FORWARD CLASS DECLARATIONS
//

//
// Copyright(C) 2013, Koninklijke Philips Electronics N.V.
//

//
// INCLUDES
//
#if _MSC_VER >= 1000
#pragma once
#endif // _MSC_VER >= 1000

//
// Copyright(C) 2013, Koninklijke Philips Electronics N.V.
//

//
// INCLUDES & FORWARD CLASS DECLARATIONS
//
#endif //FSCIDLOOPBACKAURORATECHNICAL EVENTDESCRIPTIONTABLE_H
//
// Copyright(C) 2013, Koninklijke Philips Electronics N.V.
//

//
// INCLUDES
//
#if _MSC_VER >= 1000
#pragma once
#endif // _MSC_VER >= 1000

```

```
//  
// Copyright(C) 2013, Koninklijke Philips Electronics N.V.  
//  
  
//  
// INCLUDES & FORWARD CLASS DECLARATIONS  
//  
#endif // !defined FSCIDLOOPBACKAURORACABLETESTPART_H  
//  
// Copyright(C) 2013, Koninklijke Philips Electronics N.V.  
//  
  
//  
// INCLUDES  
//  
#if _MSC_VER >= 1000  
#pragma once  
#endif // _MSC_VER >= 1000  
  
//  
// Copyright(C) 2013, Koninklijke Philips Electronics N.V.  
//  
  
//  
// INCLUDES & FORWARD CLASS DECLARATIONS  
//  
#endif // !defined FSCIDLOOPBACKAURORACONNECTORTESTPART_H  
//  
// Copyright(C) 2013, Koninklijke Philips Electronics N.V.  
//  
  
//  
// INCLUDES  
//  
#if _MSC_VER >= 1000  
#pragma once  
#endif // _MSC_VER >= 1000  
  
//  
// Copyright(C) 2013, Koninklijke Philips Electronics N.V.  
//  
  
//  
// INCLUDES & FORWARD CLASS DECLARATIONS  
//  
//  
//
```

```

// Copyright(C) 2013, Koninklijke Philips Electronics N.V.
//

//
// INCLUDES
//
#if _MSC_VER > 1000
#pragma once
#endif // _MSC_VER > 1000

//
// Copyright(C) 2013, Koninklijke Philips Electronics N.V.
//

//
// INCLUDES & FORWARD CLASS DECLARATIONS
//

//
// Copyright(C) 2013, Koninklijke Philips Electronics N.V.
//

//
// INCLUDES
//
#if _MSC_VER >= 1000
#pragma once
#endif // _MSC_VER >= 1000

//
// Copyright(C) 2013, Koninklijke Philips Electronics N.V.
//

//
// INCLUDES & FORWARD CLASS DECLARATIONS
//

\FSCID\Src\FSCIDLoopBackAurora\FSCIDLoopBackBiplaneLinkTestPart.cpp
//
// Copyright(C) 2013, Koninklijke Philips Electronics N.V.
//

//
// INCLUDES
//
#if _MSC_VER >= 1000

```



```

#pragma once
#endif // _MSC_VER >= 1000

//
// Copyright(C) 2013, Koninklijke Philips Electronics N.V.
//

//
// INCLUDES & FORWARD CLASS DECLARATIONS
//
//
//-----
// Copyright : Copyright(c) 2013
//           Philips Medical Systems Nederland B.V.
//
// File      : IIDFSBiplaneLinkLoopBack.idl
//
// Interface : IIDFSBiplaneLinkLoopBack
//
//-----
// Copyright : Copyright(c) 2013
//           Philips Medical Systems Nederland B.V.
//
// File      : IIDFSBiplaneLinkDetectorLoopBack.idl
//
// Interface : IIDFSBiplaneLinkDetectorLoopBack
#ifndef IFSCGENSERVICEMDL_IDL
#define IFSCGENSERVICEMDL_IDL

//
// Copyright(C) 2013, Koninklijke Philips Electronics N.V.
//

#include "FSCGenServiceFactoryInterface.idl"

#include "IFSCGenConfig.idl"

#ifndef IFSCGENDFARERESULT_IDL
#define IFSCGENDFARERESULT_IDL
//
// Copyright(C) 2013, Koninklijke Philips Electronics N.V.
//

//
// INTERFACE INCLUDES
//

```

```

#ifndef MIOMPDTYPES_IF
#define MIOMPDTYPES_IF
//
//-----
// Copyright : Copyright(c) 2013, Philips Medical Systems Nederland B.V.
//
// File      : MioMPDTypes.idl
//
// Interface :
//
#ifndef DMTRACECATEGORIES_H
#define DMTRACECATEGORIES_H
//
//-----
// Copyright : Copyright(c) 2013 Philips Electronics N.V.
//
// File      : DmTraceCategories.h
//
// History      :
// - Date: 2013-04-25, Jeyaprabhu J
#ifndef IFSCGENSERVICEMDL_IDL
#define IFSCGENSERVICEMDL_IDL

//
// Copyright(C) 2013, Koninklijke Philips Electronics N.V.
//

#include "FSCGenServiceFactoryInterface.idl"

#include "IFSCGenConfig.idl"

#ifndef IFSCGENDFARESULT_IDL
#define IFSCGENDFARESULT_IDL
//
// Copyright(C) 2013, Koninklijke Philips Electronics N.V.
//

//
// INTERFACE INCLUDES
//

//-----
// Copyright : Copyright(c) 2013, Philips Medical Systems Nederland B.V.
//
// File      : EpxtEngineLibGlobalCollections.cpp
//

```

```
// Class    : CEpxtEngineLibGlobalCollections
//
#ifndef EPXTENGINELIBGLOBALCOLLECTIONS_H
#define EPXTENGINELIBGLOBALCOLLECTIONS_H

//-----
// Copyright : Copyright(c) 2013, Philips Medical Systems Nederland B.V.
//
// File      : EpxtEngineLibGlobalCollections.h
//
// Class     : CEpxtEngineLibGlobalCollections
```

LC COPYRIGHT



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