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Operations Management

PROJ0709

Letter No. NRC-V10-11-001

January 5, 2011

United States Nuclear Regulatory Commission
Mr. Jonathon Rowley, Project Manager
M/S 12D2
One White Flint North
11555 Rockville Pike
Rockville, MD 20852-2738

Subject: Nuclear Safety Related Qualification of the Tricon TMR Programmable Logic Controller (PLC)
– Update to Qualification Summary Report Submittal and “Application for Withholding Proprietary Information from Public Disclosure” (TAC NO. ME2435)

References:

1. Letter, J. Polcyn (Invensys) to NRC, June 1, 2009, subject: NRC Safety Evaluation Report, “Review of Triconex Corporation Topical Reports 7286-545, Qualification Summary Report, and 7286-546, Amendment 1 to Qualification Summary Report, Revision 1”, Letter No. NRC-V10-09-001.
2. Letter, NRC (M. S. Ash) to B. Haynes (Invensys), December 8, 2010, subject: Request for Additional Information for Review of Invensys Triconex V10 Upgrade Topical Report (TAC NO. ME2435)

On December 8, 2010, Invensys received a Request for Additional Information (RAI), Reference 2. The purpose of this letter is to provide response to the six questions and supporting information addressing this RAI. As identified on Attachment 1, the two CDs enclosed contain the response to the RAI items. Also included are revisions to the Topical Report and Invensys document NTX-SER-09-10 which support commitments in the RAI responses. These responses were discussed with the staff during their December 15-17, 2010 audit of the Invensys Triconex facilities.

The enclosed two CDs contain some documents listed on Attachment 1 that were previously submitted to the NRC and for which revisions are now being provided. These revised files are being resubmitted to reflect additional information and clarifications. The new files in Enclosure 2 supersede in their entirety the documents previously submitted as shown in the table below:

Table 1. Superseded files.

<i>New File:</i>	<i>Replaces Old File:</i>	<i>Old File Transmittal Letter</i>
[135R2_TR_Rev4.pdf]	[135R1_TR_Rev3.pdf]	NRC-V10-10-006
[136R2_TR_Rev4_AppA.pdf]	[136R1_TR_Rev3_AppA.pdf]	NRC-V10-10-006
[137R2_TR_Rev4_AppB.pdf]	[137R1_TR_Rev3_AppB.pdf]	NRC-V10-10-006
[012R2_ISG24Rev2_NP.pdf]	[012R1_ISG24_NP.pdf]	NRC-V10-10-005
[141R1_ISG24Rev2_P.pdf]	[141_ISG24_P.pdf]	NRC-V10-10-005

As part of this submittal, a comprehensive listing of documents submitted to the staff is provided as Attachment 2 to ensure a common understanding of the current documents and versions under review by the staff.

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Invensys is also providing this letter as our "Application for Withholding" pursuant to the provisions of 10 CFR Part 2.390, Paragraph (b)(1). This submittal contains commercial strategic information proprietary to Invensys and customarily held in confidence. As previously identified in this letter, the proprietary material for which this withholding is requested has been specifically identified. In accordance with 10 CFR Part 2.390, Affidavit No. TCXNRC-11-01 accompanies this transmittal and sets forth the basis for which the identified proprietary information may be withheld from public disclosure. Accordingly, it is respectfully requested that the specified information which is proprietary to Invensys be withheld from public disclosure in accordance with 10 CFR Part 2.390.

Invensys has given its best effort to address all of the staff's comments and questions pertinent to the V10 Tricon TMR PLC to ensure an expeditious safety evaluation. However, we recognize that additional information may be required by the staff. We look forward to supporting the staff on this important effort.

Correspondence with regard to this transmittal should be directed to the following:

Mr. Brian Haynes
Project Manager
Invensys
15345 Barranca Parkway
Irvine, California 92618

If there are any questions on this submittal or any of its enclosures, please contact me at (949) 885-0778.

Sincerely,



Brian Haynes
Project Manager
Invensys

cc: Ms. Stacey Rosenberg, Branch Chief – NRR – CDs Only
Mr. Richard Stattel, Branch Chief (Acting) – NRR – CDs Only
Mr. Steve Blair – Invensys – Letter Only
Mr. Andy Sykes – Invensys – Letter Only
Mr. Clayton Scott – Invensys – Letter Only
Mr. Paul Whitacre – Invensys – Letter Only
Mr. Richard Lilleston – Invensys – Letter Only

Attachment/Enclosures

ATTACHMENT 1
Enclosure Listing – CD 20 & 21 Content

<i>Enclosure Description</i>	<i>CD20*</i>	<i>CD21</i>	<i>[filename] [size MB]</i>
<u>Enclosure 1: - Affidavit #TCXNRC-11-01</u>	X	X	[146_Affidavit11_1.pdf] [0.2]
<u>Enclosure 2: Revision to Previously Submitted Documents</u>			
Topical Report 7286-545-1, Rev 4	X	X	[135R2_TR_Rev4.pdf] [1.1]
Topical Report 7286-545-1, Rev 4, Appendix A, Comp Matrix	X	X	[136R2_TR_Rev4_AppA.pdf] [0.8]
Topical Report 7286-545-1, Rev 4, Appendix B, App Guide	X	X	[137R2_TR_Rev4_AppB.pdf] [0.7]
Compliance with NRC Interim Guidance ISG-2 and ISG-4 – NTX-SER-09-010, Rev 2*	X	---	[141R1_ISG24Rev2_P.pdf] [1.7]
Compliance with NRC Interim Guidance ISG-2 and ISG-4 – NTX-SER-09-010, Rev 2**	X	X	[012R2_ISG24Rev2_NP.pdf] [1.4]
<u>Enclosure 3: Requests for Additional Information (RAIs)</u>			
Response to Requests for Additional Information dated 12/08/10*	X	---	[147_RAI_010511_P.pdf] [1.1]
Response to Requests for Additional Information dated 12/08/10**	X	X	[148_RAI_010511_NP.pdf] [0.6]

*) Document Contains Invensys Proprietary material

**) Non-proprietary version of Proprietary document (redacted)

Notes:

(a) CD#20 contains Proprietary Documents (among all files). CD#21 contains only Non-Proprietary Documents (Publicly Available).

ATTACHMENT 2

Document Submittals to the NRC

(01/05/11)(Current document file status - sorted by filename number)

(bold=most recent change)

Document Description	Prop CD*	Public CD	[filename] [size MB]	Trans Letter (s)	Date sent, final
- Affidavit #TCXNRC-09-01	1c	2c	[001E1_Affidavit.pdf] [0.3]	(-001, -002) -003	[10/5/09]
			----(002 Deleted – see History)		
Differences between the Tricon V9.5.3 and the Tricon V10.2.1 System – NTX-SER-09-05, Rev 2*	12		[003R2_DiffV9V10_P.pdf] [1.2]	-10-004	[04/09/10]
EQ Summary Report 9600164-545, Rev 3*	8		[004R2_EQSummaryRep_P.pdf] [1.4]	-10-001	[01/05/10]
- Appendix A	3c	4c	[005R1_EQSR_AppA.pdf] [0.9]	(-004) -007	[11/17/09]
- Appendix B	3c	4c	[006R1_EQSR_AppB.pdf] [0.4]	(-004) -007	[11/17/09]
- Appendix C	3c	4c	[007R1_EQSR_AppC.pdf] [0.4]	(-004) -007	[11/17/09]
Software Qualification Report (SQR) – 9600164-535, Rev 1*	8		[008R2_SQR_P.pdf] [1.7]	-10-001	[01/05/10]
Critical Digital Review (CDR) – 9600164-539, Rev 1*	1c		[009E3_CDR_P.pdf] [1.8]	(-001, -002) -003	[10/5/09]
SER Maintenance Process – NTX-SER-09-020, Rev 1	12	13	[010R1_SERMaint.pdf] [0.2]	-10-004	[04/09/10]
Nuclear System Integration Program Manual – NTX-SER-09-21, Rev 1*	16		[011R1_NSIPM_P.pdf] [0.9]	-10-006	[07/11/10]
Compliance with NRC Interim Guidance ISG-2 and ISG-4 – NTX-SER-09-010, Rev 2**	20	21	[012R2_ISG24Rev2_NP.pdf] [1.4]	-11-001	[01/05/11]
Invensys Conformance to Reg Guide 1.152 Rev 2 – NTX-SER-10-14, Rev 0	16	17	[013R1_RG1152.pdf] [0.7]	-10-006	[07/11/10]
			----(014 Deleted- see History)		
Differences between the Tricon V9.5.3 and the Tricon V10.2.1 System – NTX-SER-09-05, Rev 2 **	12	13	[015R2_DiffV9V10_NP.pdf] [0.9]	-10-004	[04/09/10]
EQ Summary Report 9600164-545, Rev 3**	8	9	[016R2_EQSummaryRep_NP.pdf] [2.0]	-10-001	[01/05/10]
			----(017,018,019 Deleted)		
- Software Qualification Report (SQR) – 9600164-535, Rev 1**	8	9	[020R2_SQR_NP.pdf] [3.3]	-10-001	[01/05/10]
- Nuclear System Integration Program Manual – NTX-SER-09-21, Rev 1**	16	17	[021R1_NSIPM_NP.pdf] [0.7]	-10-006	[07/11/10]
			----(022 Deleted by 013R1)	-10-006	[07/11/10]
Enclosure 1: - Affidavit #TCXNRC-09-02	3c	4c	[023_Affidavit2.pdf] [3.0]	(-004) -007	[11/17/09]
Environmental Test Report 9600164-525, Rev 0*	8		[024R1_EnvTestRep_P.pdf] [1.6]	-10-001	[01/05/10]
Environmental Test Report 9600164-525, Rev 0**	8	9	[025R1_EnvTestRep_NP.pdf] [1.9]	-10-001	[01/05/10]
Seismic Test Report 9600164-526, Rev 0*	8		[026R1_SeisTestRep_P.pdf] [1.3]	-10-001	[01/05/10]
Seismic Test Report 9600164-526, Rev 0**	8	9	[027R1_SeisTestRep_NP.pdf] [0.7]	-10-001	[01/05/10]
EMI/RFI Test Report 9600164-527, Rev 2*	8		[028R2_EMIRep_P.pdf] [3.3]	-10-001	[01/05/10]
EMI/RFI Test Report 9600164-527, Rev 2**	8	9	[029R2_EMIRep_NP.pdf] [4.7]	-10-001	[01/05/10]
Surge Withstand Test Report 9600164-528, Rev 1*	8		[030R1_SurgeRep_P.pdf] [1.5]	-10-001	[01/05/10]
Surge Withstand Test Report 9600164-528, Rev 1**	8	9	[031R1_SurgeRep_NP.pdf] [2.5]	-10-001	[01/05/10]
1E Isolation Test Report 9600164-529, Rev 1*	8		[032R1_1EISORep_P.pdf] [1.45]	-10-001	[01/05/10]
1E Isolation Test Report 9600164-529, Rev 1**	8	9c	[033R1_1EISORep_NP.pdf] [2.5]	-10-001	[01/05/10]
EFT Test Report 9600164-521, Rev 1*	8		[034R1_EFTRep_P.pdf] [1.5]	-10-001	[01/05/10]

<i>Document Description</i>	<i>Prop CD*</i>	<i>Public CD</i>	<i>[filename] [size MB]</i>	<i>Trans Letter (s)</i>	<i>Date sent, final</i>
EFT Test Report 9600164-521, Rev 1**	8	9	[035R1_EFTRep_NP.pdf] [2.5]	-10-001	[01/05/10]
ESD Test Report 9600164-522, Rev 1*	8		[036R1_ESDRep_P.pdf] [1.7]	-10-001	[01/05/10]
ESD Test Report 9600164-522, Rev 1**	8	9	[037R1_ESDRep_NP.pdf] [1.5]	-10-001	[01/05/10]
Performance Proof Test – Operation 9600164-566, Rev 0*	8		[038R1_PPOpsRep_P.pdf] [2.3]	-10-001	[01/05/10]
Performance Proof Test – Operation 9600164-566, Rev 0**	8	9	[039R1_PPOpsRep_NP.pdf] [7.9]	-10-001	[01/05/10]
Performance Proof Test – Prudency 9600164-573, Rev 0*	8		[040R1_PPPruRep_P.pdf] [2.2]	-10-001	[01/05/10]
Performance Proof Test – Prudency 9600164-573, Rev 0**	8	9	[041R1_PPPruRep_NP.pdf] [6.2]	-10-001	[01/05/10]
Radiation Test Report 9600164-533, Rev 2*	8		[042R1_RadRep_P.pdf] [1.1]	-10-001	[01/05/10]
Radiation Test Report 9600164-533, Rev 2**	8	9	[043R1_RadRep_NP.pdf] [1.3]	-10-001	[01/05/10]
Reliability/Availability Report 9600164-532, Rev 0*	3c		[044_ReliabilityRep_P.pdf] [6.4]	(-004) -007	[11/17/09]
Reliability/Availability Report 9600164-532, Rev 0**	3c	4c	[045_ReliabilityRep_NP.pdf] [19.3]	(-004) -007	[11/17/09]
Failure Modes and Effects Analysis 9600164-531, Rev 0*	3c		[046_FMEAREP_P.pdf] [1.7]	(-004) -007	[11/17/09]
Failure Modes and Effects Analysis 9600164-531, Rev 0**	3c	4c	[047_FMEAREP_NP.pdf] [2.1]	(-004) -007	[11/17/09]
Maximum Response Time Calculation 9600164-731, Rev 0*	3c		[048_MaxRespTime_P.pdf] [1.1]	(-004) -007	[11/17/09]
Master Test Plan 9600164-500, Rev 5*	8		[049R1_MTP_P.pdf] [4.7]	-10-001	[01/05/10]
Master Test Plan 9600164-500, Rev 5**	8	9	[050R1_MTP_NP.pdf] [6.7]	-10-001	[01/05/10]
Nuclear Qualification Quality Plan 9600164-002, Rev 3	3c	4c	[051_NQQP.pdf] [1.6]	(-004) -007	[11/17/09]
TUV Type Approval Report and Certificate (V10.2.1)	3c	4c	[052_TUVCert_10_2_1.pdf] [1.0]	(-004) -007	[11/17/09]
Planning & Installation Guide 9700077-012 (Feb 009)		5c	[053_PandlGuide_NP.pdf] [5.0]	(-005) -008	[11/18/09]
Users Manual for Field Term. 9700052-018 (Feb 2009)		5c	[054_FTGuide_NP.pdf] [9.0]	(-005) -008	[11/18/09]
TRICON Comm. Guide 9700088-008 (Feb 2009)		5c	[055_ComGuide_NP.pdf] [2.2]	(-005) -008	[11/18/09]
Developers Guide, TS1131 V4.1 9700100-003 (Aug 2006)		5c	[056_DevGuide_NP.pdf] [4.7]	(-005) -008	[11/18/09]
Triconex Training Manual 9750002-001 (Rev 1.2)		5c	[057_TrainMan_NP.pdf] [6.7]	(-005) -008	[11/18/09]
TRICON Product Guide, V10.2.1 9791007-013 (Aug 2006)		5c	[058_TechProdGuide_NP.pdf] [3.4]	(-005) -008	[11/18/09]
Enclosure 1: - Affidavit #TCXNRC-09-03	6	7	[059_Affidavit3.pdf] [3.0]	-006	[11/13/09]
Supplemental Test Plan 9600164-800 Rev 0*	6		[060_SupTest_4_16_P.pdf] [0.8]	-006	[11/13/09]
Supplemental Test Plan 9600164-800 Rev 0**	6	7	[061_SupTest_4_16_NP.pdf] [0.7]	-006	[11/13/09]
Master Configuration List 9600164-540 Rev 21*	8		[062R1_MCL_P.pdf] [1.0]	-10-001	[01/05/10]
Master Configuration List 9600164-540 Rev 21**	8	9	[063R1_MCL_NP.pdf] [2.3]	-10-001	[01/05/10]
Software Quality Assurance Plan 9600164-537 Rev 0	6	7	[064_SQAP.pdf] [1.1]	-006	[11/13/09]
System Description 9600164-541, Rev 0*	6		[065_SysDesc_P.pdf] [2.2]	-006	[11/13/09]
System Description 9600164-541, Rev 0**	6	7	[066_SysDesc_NP.pdf] [3.1]	-006	[11/13/09]
EFT Test Procedure 9600164-514, Rev 0*	8		[067R1_EFTTestPro_P.pdf] [1.7]	-10-001	[01/05/10]
ESD Test Procedure 9600164-512, Rev 1*	6		[068_ESDTestPro_P.pdf] [1.7]	-006	[11/13/09]
Radiation Exposure Test Procedure 9600164-511, Rev 0*	6		[069_RadExpTestPro_P.pdf] [1.5]	-006	[11/13/09]
Seven Day Elevated DC Voltage Report 9600164-557, Rev 0	6	7	[070_7DayDCTestRep.pdf] [3.6]	-006	[11/13/09]
TSAP Software V&V Plan 9600164-513, Rev2*	6		[071_TSAP_SVVP_P.pdf] [2.3]	-006	[11/13/09]
TSAP Software V&V Plan 9600164-513, Rev2**	6	7	[072_TSAP_SVVP_NP.pdf] [1.5]	-006	[11/13/09]
TSAP V&V Report 9600164-536, Rev 0	6	7	[073_TSAP_V&VRep.pdf] [1.1]	-006	[11/13/09]
Independent Tricon V10 Equipment Qualification Assessment	6	7	[074_IndAssess.pdf] [0.2]	-006	[11/13/09]
Triconex QA Manual	6	7	[075_QAM.pdf] [1.2]	-006	[11/13/09]
Analog I/O Machine Count Calc 9600164-730, Rev 0*	6		[076_AIO_Calc_P.pdf] [1.1]	-006	[11/13/09]

<i>Document Description</i>	<i>Prop CD*</i>	<i>Public CD</i>	<i>[filename] [size MB]</i>	<i>Trans Letter (s)</i>	<i>Date sent, final</i>
ETP Interface Cable Similarity Analysis 9600164-538, Rev 0*	6		[077_CableSimAnalysis_P.pdf] [1.0]	-006	[11/13/09]
Change Impact Analysis 9600164-542, Rev 0*	6		[078_ChangeImpactAnalysis_P.pdf] [1.9]	-006	[11/13/09]
Enclosure 1: - Affidavit #TCXNRC-09-04	8	9	[079_Affidavit4.pdf] [3.0]	-10-001	[01/05/10]
MDM 12.1, Production Order Tag Report*	10		[080_MDM_12_1_P.pdf] [0.5]	-10-003	[04/06/10]
QPM 2.1, Quality Planning*	10		[081_QPM_2_1_P.pdf] [0.5]	-10-003	[04/06/10]
QPM 13.2, Product Discrepancies*	10		[082_QPM_13_2_P.pdf] [0.5]	-10-003	[04/06/10]
EDM 11.03, Process and Product Quality Assurance*	10		[083_EDM_11_03_P.pdf] [0.5]	-10-003	[04/06/10]
EDM 12.00, Product Development Process*	10		[084_EDM_12_00_P.pdf] [0.7]	-10-003	[04/06/10]
EDM 12.10, Project Planning*	10		[085_EDM_12_10_P.pdf] [0.6]	-10-003	[04/06/10]
EDM 12.50, Requirements Management*	10		[086_EDM_12_50_P.pdf] [0.6]	-10-003	[04/06/10]
EDM 20.00, Configuration Management*	10		[087_EDM_20_00_P.pdf] [0.6]	-10-003	[04/06/10]
EDM 21.30, Change Impact Analysis*	10		[088_EDM_21_30_P.pdf] [0.6]	-10-003	[04/06/10]
EDM 24.00, Software Configuration and Change Control*	10		[089_EDM_24_00_P.pdf] [0.5]	-10-003	[04/06/10]
EDM 74.00, Nuclear Qualification of Triconex Products*	10		[090_EDM_74_00_P.pdf] [0.7]	-10-003	[04/06/10]
EDM 76.00, Dedication of Products for Nuclear Service*	10		[091_EDM_76_00_P.pdf] [0.6]	-10-003	[04/06/10]
EDM 90.00, Product Verification*	10		[092_EDM_90_00_P.pdf] [0.6]	-10-003	[04/06/10]
EDM 90.10, Product Validation (New since V9 SER)*	10		[093_EDM_90_10_P.pdf] [0.6]	-10-003	[04/06/10]
EDM 90.30, Control of Tools and Test Software*	10		[094_EDM_90_30_P.pdf] [0.6]	-10-003	[04/06/10]
9100055-001, Nuclear Dedicated Parts List*	10		[095_NDPL_P.pdf] [0.8]	-10-003	[04/06/10]
9100055-103, DPE-03*	10		[096_DPE03_P.pdf] [0.8]	-10-003	[04/06/10]
9100055-105, DPE-05*	10		[097_DPE05_P.pdf] [0.4]	-10-003	[04/06/10]
9600164-534, System Accuracy Specifications	10	11	[098_SysAccSpec.pdf] [1.2]	-10-003	[04/06/10]
9100112-001, Safety Concepts*	10		[099_SafetyConcepts_P.pdf] [1.9]	-10-003	[04/06/10]
9100042-002, NGIO System Architecture Specification*	10		[100_NGIOSysArch_P.pdf] [1.4]	-10-003	[04/06/10]
6200152-002, TCM System Architecture Specification*	10		[101_TCMSysArch_P.pdf] [1.0]	-10-003	[04/06/10]
6200106-001, ETSX Software Architecture Specification*	10		[102_ETSXArch_P.pdf] [1.0]	-10-003	[04/06/10]
9100113-001, Safety Requirements*	10		[103_SafetyReqmts_P.pdf] [0.6]	-10-003	[04/06/10]
7100222-001, Tricon Main Processor Hardware Design Spec*	10		[104_MPHWDDesSpec_P.pdf] [3.9]	-10-003	[04/06/10]
9100042-001, NGIO System Requirements Specification*	10		[105_NGIOSysReq_P.pdf] [0.7]	-10-003	[04/06/10]
6200152-001, TCM System Requirements Specification*	10		[106_TCMSysReq_P.pdf] [0.8]	-10-003	[04/06/10]
6200156-001, NGIO Core Software Architecture and Des Spec*	10		[107_NGIOCoreArch_P.pdf] [1.0]	-10-003	[04/06/10]
6200152-004, TCOM Software Design Specification*	10		[108_TCOMSWDes_P.pdf] [1.9]	-10-003	[04/06/10]
9100046-001, NGIO EPP, Engineering Project Plan*	10		[109_NGIOEPP_P.pdf] [0.7]	-10-003	[04/06/10]
6200155-001, NGIO Core Software Reqmts Specification*	10		[110_NGIOCoreSRS_P.pdf] [0.9]	-10-003	[04/06/10]
6200152-003, TCOM Software Requirements Specification*	10		[111_TCOMSRS_P.pdf] [0.7]	-10-003	[04/06/10]
6200033-001, TriStation 1131 Software Requirements Spec*	10		[112_TS1131SRS1_P.pdf] [1.0]	-10-003	[04/06/10]
6200033-002, TriStation 1131 V4.1 Software Reqmts Spec*	10		[113_TS1131SRS2_P.pdf] [0.4]	-10-003	[04/06/10]
9100098-001, NGIO Core H/W Requirements Specification*	10		[114_NGIOCoreHRS_P.pdf] [0.6]	-10-003	[04/06/10]
9100098-002, NGIO Core H/W Design Specification*	10		[115_NGIOCoreHDS_P.pdf] [0.9]	-10-003	[04/06/10]
6200159-001, NGIO Core Software Test Plan*	10		[116_NGIOCoreSTP_P.pdf] [0.5]	-10-003	[04/06/10]
6500155-000, TCM Software Test Plan*	10		[117_TCMSTP_P.pdf] [0.5]	-10-003	[04/06/10]
TCM A Traceability Report.doc*	10		[118_TCMATrace_P.pdf] [0.9]	-10-003	[04/06/10]

<i>Document Description</i>	<i>Prop CD*</i>	<i>Public CD</i>	<i>[filename] [size MB]</i>	<i>Trans Letter (s)</i>	<i>Date sent, final</i>
Traceability Matrix NGIO CORE SYRS to NGIORVP.doc*	10		[119_NGIOCoreTrace_P.pdf] [0.6]	-10-003	[04/06/10]
Traceability Matrix NGAI SYRS to NGAIRVP.doc*	10		[120_NGAI SysTrace_P.pdf] [0.5]	-10-003	[04/06/10]
Traceability Matrix NGDO SYRS to NGDORVP.doc*	10		[121_NGDOSysTrace_P.pdf] [0.5]	-10-003	[04/06/10]
9600127-004, System Test Procedure*	10		[122_SysTestProc004_P.pdf] [9.2]	-10-003	[04/06/10]
9600158-002, Tricon V10.1 Sys Functional Validation Proc*	10		[123_10_1SysValProc_P.pdf] [0.9]	-10-003	[04/06/10]
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