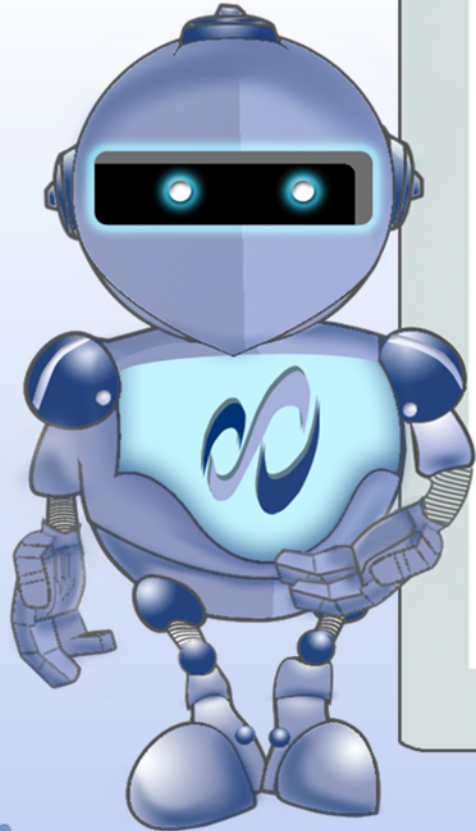


Quality Assurance (QA) Responsibilities

WTS_U201_ITI

Learning Objectives



Upon completion of this course you will:

- Type list of objections here...
 - Understand the Quality Assurance (QA) Process.
 - Understand how to verify Artifacts at the AOR Level.
 - Understand how utilize the QA Tool to track both project level and organizational level compliance.
 - Understand how QA Tool is used to track Business Risk that is not tracked in WTS
 - Understand how the QA Tool is used to tie ITI's strategy to the work being done across the organization.



Quality Assurance Member Responsibilities

- Facilitates quality assurance activities associated with ensuring projects follow established guidance, plans, and processes.
 - Ensures process related issues are resolved.
 - Audit organizational and project software development process areas and ensuring that activities are compliant in accordance with ITI's Organization Guidance and ITI's Software Sustainment Handbook (Standard Guidance).
 - Ensures process improvement initiatives address areas of non-compliance (Lessons Learned).
 - Ensures projects are closed and documentation is complete.

QA Member Responsibilities - AORs

During the Planning phase, the QA member works closely with the PM (Project Manager) to verify AORs (Areas of Responsibility) in WTS from the Projects menu

352 - ANG FFPM Functionality for New Menu Wizard

Release: 18.2

Go to AOR #

Related Items

Details

Attachments (0)

Meetings (0)

Details

Archive

Cancel

Save

AOR #:

352

Created: david.allison - 5/10/2018 11:58 AM

Updated: david.allison - 8/17/2018 5:45 AM

* AOR Name:

ANG FFPM Functionality for New Menu Wizard

Label:

Workload for the New Menu, User Management, and Registration.

Approved:

☒

By: Joseph.Porubsky

On: 6/14/2018 12:06 PM

AOR Systems (1)

Primary System

R&D FHP FFPM Websystem

Add

Other Systems

No Systems

AOR Details

AOR Workload Type:

Release/Deployment MGMT

Workload Allocation:

Deployment

AOR Status:

Visible To Customer:

☒

Contract(s):

Operations: Contracting R&D,BD & Overhead

AOR Estimation

PD2TDR (Release) Details

CRs (1)

Work Tasks (22)

Resources (19)

History:

QA Member Responsibilities – AORs

AORs (or Area of Responsibility) are taskers to complete a CR (or Customer Requirement).

The following types of AORs are:

- Deployment Management AORs
- Release Management AORs
- AORs that accomplish the actual work

The artifacts for these AORs are color-coded according to the legend below:

	Release Level Artifact
	Deployment Management Level Artifact
	Software Sustainment Management Level Artifact

In the example below, the artifacts are colored according to their respective AOR:

Create and Approve Technical Requirements/Design: Technical Designs completed	6A	1. Technical Designs	1. Lead Developer	Y
Create/Save DAR slide with every Technical Design	6A	1. DAR	1. Lead Developer/Primary BT Member	Y
Create, Present and Approve Customer Design: Customer Presentation Completed and Approved	6B	1. Customer Designs	1. Primary BT Member/SME	Y
Develop and Approve the Data Model: Data Model Completed	6C	1. Data Model	1. Lead Developer	Y
Synchronize Work Products with Project Management Tools and Project Plans: Work Products, Project Management Tools and Project Plans are updated and synchronized to reflect changes that have occurred and progress that has been made	5A	1. QA Audit	1. Joe Porubsky	
		2. WTS	2. David Coulter/Dan Gilbert/Sean Walker	Y
	4A	3. AOR Report	3. Oscar Loera	Y
		4. Estimating Tool	4. Proj MGR	

QA Member Responsibilities – AOR Artifacts

AOR artifacts are documents that represent evidence that work performed throughout an AOR complied with standard and organizational guidance. Artifacts are uploaded to the AOR attachments tab in WTS

322 - 18.2 001 Deployment Management - LRDP Prioritization/Signatures, 508 Compliance, & FRM Default Views
Release: 18.2

Go to AOR #
Related Items ▼
Back To AOR Grid

Details Attachments (2) Meetings (2)

Attachments

Type: ALL
Add Delete Save

Type	Attachment Name	Description	File	Approved	Added/Updated
Other	Software Test Description		FA8604-16-C-7001 - CAFDEx - CDRL A004 - Software Test Description.DOCX	Approve	cheryl.glazer 8/2/2018 9:51 AM
Other	Software Test Plan		FA8604-16-C-7001 - CAFDEx - CDRL A002 - Software Test Plan.DOCX	Approve	cheryl.glazer 8/2/2018 9:51 AM

QA Member Responsibilities – QA Tool

The QA Tool is a workbook that is used to track PD²TDR processes related to approved CRs and AORs. The QA Tool includes the following sections (or tabs):

- QA Audit Checklist
- Measurements
- Artifact Catalog
- QA Lessons Learned and POAM
- Organizational Audits
- Business Risk Register
- IT Division Strategy

QA Tool – QA Audit Checklist

AORs and CRs are added to the QA checklist. The checklist tracks processes and deliverables and indicates if the Standard Guidance has been followed.

The location of the checklist items are synchronized (or numbered) to the relevant section of the Software Sustainment Handbook (i.e. P15_5_5.1).

		Planning																					
CR	AOR	P1_0_H as an initial Project Meeting been held?	P2_5.1_Has the SR Database been maintained as part of daily operations?	P3_5.1.1_Have SRs been scrubbed & categorized?	P4_5.2_Has the scope of the project been determined?	P5_5.2.1_Have all inputs been assembled?	P5.1.5.2_5.2.2c_Have Estimating Procedures been followed?	P6_5.2_2_Have all system change requests been investigated?	P7_5.2_3_Have SRs/CRs been prioritized?	P8_5.2_4_Has formal approval been obtained?	P9_5.3_Has baseline for Configuration Mgt been established?	P10_5.3_1_Has the RTM been set up?	P11_5.4_Has Cybersecurity Security Assessment been complete?	P12_5.4_1_Has a CIA determination been made?	P13_5.4_2_Have CRs been compared with IA controls for security posture changes?	P14_5.5_Has the AOR been setup?	P15_5.5.1_Has Project Planning been initiated?	P16_5.5_2_Is the execution of the plan being tracked?	P17/Qa1_8_Have Key Artifacts been collected and filed?	DS1_5_Have Design Activities been completed?	DS2_5.1_Have technical requirements & design been created?	DS3_5.1_1_Have technical design slides been built and approved?	DS3.1_5.1_5.1.In_Does Every AOR/CR contain a DAR Slide?
Project: 27 Aug Deployment																							
FHP																							
Research and Development: Development of Tools Tied to New Revenue	352: ANG FPPM Functionality for New Menu Wizard	N	Y	Y	Y	Y	N	Y	Y	Y	Y	N	N	N	N	Y	N	N	N	Y	Y	N	N
Research and Development: Development of Tools Tied to New Revenue	353: ANG Working Capital Fund Bill & MORD Maintenance: Automate & simplify current WCF Bills & MORD process through convergence of disparate data sources	N	Y	Y	Y	Y	N	Y	Y	Y	Y	N	N	N	N	Y	N	N	N	Y	Y	N	N
Research and Development: Development of Tools Tied to New Revenue	413: ANG Target Load & AF1269 Maint:Automate & Simplify current target load spread and tracking/documentation to include data required for ABSS inputs	N	Y	Y	Y	Y	N	Y	Y	Y	Y	N	N	N	N	Y	N	N	N	Y	Y	N	N
Research and Development: Development of Tools Tied to New Revenue	414: ANG Fly GPC Funds Distribution: Automate and simplify current fund distribution and tracking through the convergence of disparate data sources	N	Y	Y	Y	Y	N	Y	Y	Y	Y	N	N	N	N	Y	N	N	N	Y	Y	N	N
Comments:							Captured as business risk. Register.										WTS 15928.						

QA Tool – QA Audit Checklist Explained

- The QA Checklist includes the following elements:
 - Workload Allocation – 3 Types Program Management, Deployment, and Production
 - CR (Customer Reconciliation): This is a requested customer deliverable e.g. Research and Development: Development of Tools Tied to New Revenue
 - AOR (Area of Responsibility): AORs are at the level which teams are assigned, work effort can be estimated, and artifacts (work products) are collected. AORs are numbered and available for tasks to be associated with them CR (e.g. 352: ANG FFPM Functionality for New Menu Wizard).
 - Planning (P1_x to P17_x): These are deliverables (or artifacts) associated with the planning phase of the PD²TDR model i.e. Has an initial Project Meeting been held?
 - Design (DS1_x to DS14_x): These are deliverables (or artifacts) associated with the design phase of the PD²TDR model i.e. Have technical requirements & design been created?
 - Develop (DV1_x to DV10_x): These are deliverables (or artifacts) associated with the development phase of the PD²TDR model (e.g. Was code checked out, updated, and committed back to SVN)?
 - Test (T1_x to T9_x): These are deliverables (or artifacts) associated with the testing phase of the PD²TDR model i.e. Has a test plan been developed?
 - Deploy (DP1_x to DP6_x): These are deliverables (or artifacts) associated with the deployment phase of the PD²TDR model i.e. Was the Go Live Deployment Checklist used & users notified?

QA Tool – QA Audit Checklist Explained cont'd

- QA Checklist elements continued:
 - Review (R1_x to R4_x): These are deliverables (or artifacts) associated with the review phase of the PD²TDR model i.e. Were the lessons learned gathered from ITI team leads and their members (to include developers) for each AOR?
 - QA (QA1_x to QA12_x): These are deliverables (or artifacts) associated with the QA (Quality Assurance) phase of the PD²TDR model i.e. Have non-compliant items on the QA Audit tool been addressed and resolved?
 - Comments – Additional comments can be entered for each element at any time



QA Tool – Measurements

The Measurement section is utilized to measure each Key Activity to ensure progress is being made in accordance with plan and schedule and make adjustments as needed, measure the quality of products resulting from Core Component Processes Key Activities as defined by the customer, utilize quantitative measurements as indicators of current workload, system performance and as required by customers to ensure contractual quality assurance plan criteria is met, measure process adherence quality objectives in terms of task completion in accordance with process guidance and project plan, and measure Key Activity Results ensuring they align with ITI company strategic goals.

Measurements	Compliance Y/N	CAFDEx Location/Storage	ANG Location/Storage	Objective Mapping	Who is responsible for collecting the	Analysis: What kind of action and when	Collection Instructions	Measured
Maintain the SR Database: Quantitative Measurements include measuring the number and age of current SRs. These metrics are reported in ITI Monthly Status Reports (MSR)		https://infinitetech.sharepoint.com/BOT/Business/Shared%20Documents/Forms/AllItems.aspx?RootFolder=%2FBDT%2FBusiness%2FShared%20Documents%2FOperations%2FCAFDEx%20Contract%20%28FA8604%2D16%2DC%2D7001%23%2FA007%20%2D%20Monthly%20Status%20Report&FolderCTID=0x01200089FF446B97750940A507849EE826C4D&Views%47C79E82-B947-4F8F-B439-F333B70330C4 https://infinitetech.sharepoint.com/BOT/Business/Shared%20Documents/Forms/AllItems.aspx?RootFolder=%2FBDT%2FBusiness%2FShared%20Documents%2FOperations%2FCAFDEx%20Contract%20%28FA8604%2D16%2DC%2D7001%23%2FA007%20%2D%20Monthly%20Status%20Report&FolderCTID=0x01200089FF446B97750940A507849EE826C4D&Views%47C79E82-B947-4F8F-B439-F333B70330C4 https://infinitetech.sharepoint.com/BOT/Business/Shared%20Documents/Forms/AllItems.aspx?RootFolder=%2FBDT%2FBusiness%2FShared%20Documents%2FOperations%2FCAFDEx%20Contract%20%28FA8604%2D16%2DC%2D7001%23%2FA007%20%2D%20Monthly%20Status%20Report&FolderCTID=0x01200089FF446B97750940A507849EE826C4D&Views%47C79E82-B947-4F8F-B439-F333B70330C4	https://infinitetech.sharepoint.com/BOT/Business/Shared%20Documents/Forms/AllItems.aspx?RootFolder=%2FBDT%2FBusiness%2FShared%20Documents%2FOperations%2FCAFDEx%20Contract%20%28FA8604%2D16%2DC%2D7001%23%2FA007%20%2D%20Monthly%20Status%20Report&FolderCTID=0x01200089FF446B97750940A507849EE826C4D&Views%47C79E82-B947-4F8F-B439-F333B70330C4	2,3	Collection overseen by Erwin for MSR, Project Mgr and Team Leads take action as necessary	SR Activity during the reporting period (Table 1 MSR) and SR Open/In Work as of the end of the Reporting Period (Table 2 MSR) are tracked. Action is required if outliers are found to be beyond normal.	Collect for monthly analysis include in MSR	SR activity during reporting period and SRs Open/In work as of the end of the reporting period.
Determine the Scope of the Project (Release): Activities are measured using progress measurements as reported in the AOR Project Management Tool and/or VTS		VTS - AOR 192 (18.1 Release)		1,2,4,5	QA Manager (Shahir Anif)	Review to ensure process is both efficient and adequate to achieve desired results.	Identify Results in ITI QA Audit Tool	Scope is on AOR & in VTS
Establishing the baseline for Functional Requirement Configuration Management: Adherence Measurements include QA Quality checklist to ensure CSRDs have been linked to functional requirements and the functional requirement baseline is available as/it requested - 100% of the time		SVN - C:\TRAINING_SUPPORT\CVTs_RTM		1,4	QA Manager (Shahir Anif)	Determine if processes are useful and being followed. Document Lessons learned and/or tailor the process if efficiencies can be gained by performing in other ways	Identify Results in ITI QA Audit Tool	The CM Baseline is done in SVN
Perform Cybersecurity (Anticipated Risks) Assessments: Activities are measured using process adherence pass/fail measurements as reported in the QA Audit Tool.		VTS - AOR 192 (18.1 Release) VTS - Software Development AOR		1,4	QA Manager (Shahir Anif)	Take Action based on risk measurements as identified in Handbook Guidance. Ensure Risks are monitored and take action as required to mitigate risk	Identify Results in ITI QA Audit Tool	Cybersecurity risk analysis completed
Initiate Project Management Tools: Activities are measured using process adherence pass/fail measurements contained in the QA Audit Tool.		https://infinitetech.sharepoint.com/ITI/CAFDEx/Shared%20Documents/Forms/AllItems.aspx?RootFolder=%2FBDT%2FCAFDEx%2FShared%20Documents%2FRelease%20and%20System%20Management%2F%2FCAFDEx%20Contract%20%28FA8604%2D16%2DC%2D7001%23%2FA007%20%2D%20Monthly%20Status%20Report&FolderCTID=0x012000932286616D40F448FF7A409BE935E00 QA Audit Tool VTS - AOR 192 (18.1 Release)		1,2,3,4,5	QA Manager (Shahir Anif)	If tools are not being utilized reinforce process compliance and initiate tools as required	Identify Results in ITI QA Audit Tool	Tools were used.
Overall Process Compliance activities are measured using process adherence pass/fail measurements contained in the QA Audit Tool.		https://infinitetech.sharepoint.com/ITI/CAFDEx/Shared%20Documents/Forms/AllItems.aspx?RootFolder=%2FBDT%2FCAFDEx%2FShared%20Documents%2FRelease%20and%20System%20Management%2F%2FCAFDEx%20Contract%20%28FA8604%2D16%2DC%2D7001%23%2FA007%20%2D%20Monthly%20Status%20Report&FolderCTID=0x012000932286616D40F448FF7A409BE935E00 QA Audit Tool VTS - AOR 192 (18.1 Release)		1,2,3,4,5	QA Manager (Shahir Anif)	If processes are not being followed reinforce process compliance and initiate tools as required	Identify Results in ITI QA Audit Tool	Processes were followed.
Create and Approve Technical Requirements/Design (D1): The AOR Project Management Tool and/or VTS is used to track workload task progress as a measure of percent complete.		Attached to: VTS - Software Development AORs		1,2,3,4,5	QA Manager (Shahir Anif)	Project Manager ensures process is followed in accordance with guidance, QA Audits Compliance	Identify Results in ITI QA Audit Tool	Design was created. What is being measured? Ex: was it on time, was it accurate...was percent of progress on time with scheduled timeframes, etc.

QA Tool – Measurements Explained

The Measurements section includes the following elements:

- Core Process Components – These include plan, design, develop, deploy, test, and review
- Measurements – These are qualitative and quantitative measurements used to gauge compliance to a core process i.e. Determine the Scope of the Project (Release): Activities are measured using progress measurements as reported in the AOR Project Management Tool and/or WTS
- Compliant Y/N– This is a yes or no answer to the question of compliance of a Measurement
- CAFDEx[®] Location/Storage – This is the link or URL to an CAFDEx[®] artifact storage location
- ANG Location/Storage – This is the link or URL to an ANG artifact storage location
- Objective Mapping – This is used to map measurements to the appropriate objective
- Who is responsible for collecting the Measurement – This names the POC or team responsible for collecting a particular measurement
- Analysis: What kind of action and when – This is an analysis of the action that will be needed to fulfill a measurement and when this will be accomplished
- Collection Instructions – These are instructions for how to collect a measurement
- Measured – This defines the measurement element
- Comments – These are comments added for an element

QA Tool – Artifact Catalog/Tracker

The Artifact Catalog (also known as the Artifact Tracker) section tracks deliverable artifacts (or documents) associated with each step in the PD2TDR Model.

[illegible]

QA Tool – Artifact Catalog/Tracker Explained

The Artifact Catalog/Tracker section includes the following elements:

- Core Process Components – These include plan, design, develop, deploy, test, and review
- Key Activity: Output/Artifact – This is the primary output or artifact for the core process
- Actual Artifact used – This lists the actual document used to satisfy the artifact requirement
- Code – This is 1st 2 digits of the file name in the SharePoint Release Folder
- POC – This is the primary contact for the artifact
- Compliant Y/N– This is a yes or no answer to the question of compliance of an artifact
- Notes – These are additional notes relates to the artifact
- WTS – This is to note an associated WTS item
- Project/Release Folder – This is to note the artifact is stored in the appropriate project/release folder

QA Tool – Artifact Catalog/Tracker Explained cont'd

- The Artifact Catalog/Tracker section elements continued:
 - AOR Report Location - This is to note the AOR report artifact is stored in the appropriate AOR report location
 - MSR Location (ANG/CAFDEx[®]) - This is to note the MSR artifact is stored in the appropriate MSR location
 - CVT/RTM Location in SVN - This is to note the CVT/RTM artifact is stored in the appropriate CVT/RTM location
 - Code Location in SVN - This is to note the Code artifact is stored in the appropriate CVT/RTM location
 - RTM Location in SVN - This is to note the RTM artifact is stored in the appropriate RTM location
 - Standard Guidance Location - This is to note the Standard Guidance artifact is stored in the appropriate RTM location
 - Cyber Info - This is to note Cyber Security input has been received



QA Tool – QA Lessons Learned & POAM

The QA Lessons Learned & POAM section tracks critical inputs and deficiencies associated with planning and execution of each step in the PD2TDR Model. These lessons are discussed internally and used for future process improvement. The POA section addresses the “Plan of Action” to resolve deficiencies while the milestones are used to monitor progress and achievements.

Tracking #	Input Date	Input From	CMMI Process Area & SP	Lesson Learned	POA	1st Milestone Date	2nd Milestone Date	3rd Milestone Date	Final Implement Date	Release that applied Fix (or NA)
18.1E	15-Sep-17	Anna	Dev	Critical Dependancies are not being maintained in Dev Meeting Minutes	Reinforcing standard guidance	18.1 IP-1	18.1 IP-2	18.1 IP-3	18.1 Release	18.1
18.1F	16-Sep-17	Dan Gilbert	Planning	Need to reenforce estimating processes	Updated guidance and checklists. Reinforcing standard guidance	18.1 IP-1	18.1 IP-2	18.1 IP-3	18.1 Release	18.1
18.1H	7-Nov-17	Daniel Gilbert	Design	The amount of time it takes to fully design projects can be very time consuming. For this reason ITI believes that automating the design tool can save a lot of time with future work.	We will most likely use either https://mockflow.com/ or https://moqups.com in the future.	18.1 IP-1	18.1 IP-2	18.1 IP-3	18.1 Release	18.1
18.1I	23-Jan-18	Maliha Aneel	All	Need to create an email template that gets distributed to the team when an SR is closed. The template should include all information relevant to the stakeholders.	The business team will create an email template that will include all relevant information required in the "SR resolution" emails.	Add to SR Procedure and Get Approval	Create Training	Provide and Document Training		18.1
18.1K	28-Dec-17	CMMI Team SCAMPI C Appraisal also Anna, Shahir, Joe, Tanyetta, Erin and Essel following 29 March Dep.	All	Need to relook at the project plan that is now in WTS. Need to be able to assign workload that is identified in the project plan to specific individuals responsible for performing the work. Need to have need by dates and follow up to ensure all items such as go live checklis, FRR memo, test reports are in work and recieved as identified in PP. Proj Manager need to better communicate when artifacts are due and oversee deployment schedule. Need to Log Go-Live Checklist as a task in WTS. Clearly need to define roles and responsibilities for release. Need to make it clear to the team who is responsible for what. I.e who gathers/attaches Artifacts where, etc.	Work with exec team to complete this task by making the PP more robust in WTS. He will implement new AOR capabilities to assign tasks across AORs.					18.1
18.1L	28-Dec-17	CMMI Team SCAMPI C Appraisal	OT	Need to synchronize training plan that training team is using with training plan in Organizational Guidance	4/4/2018: Cheryl has created a training plan for team - need to get that training plan along with devs training plan into the tactical plan portion of the organizational guidance.					
18.1M	28-Dec-17	CMMI Team SCAMPI C Appraisal	All	Need to complete all of the SCAMPI C Appraisal Actions - Note: The SCAMPI C Appraisal POAM is considered a part of these lessons learned. Note: SCAMPI C reevaluated in June and Improvement actions continue	Need to track POAM established for the SCAMPI C and ensure items are tracked to completions	3/29/2018	5/24/2018	TBD	7/31/2018	18.1-18.2
18.1U	2-Apr-18	Dan		Need to add a back up resource to Project Manager.	Dan and Joe need to train Cheryl to support Joe when he is out.	5/24/2018	N/A	N/A	5/24/2018	18.1
18.1W	2-Apr-18	Joe		Improve the way we transition the CVTs into the RTM. We need to improve the way we tie the CVTs to the RTM.	WTS capabilities need to be expanded to add RTM functionalities so that this process can be revolutionized.	5/24/2018	TBD	TBD	7/31/2018	18.2
18.1X	4-Apr-18	Dan, Shahir	OPD	Establishing Teams procedure needs to be revised and adopted.	ITI is rehosting WTS such that teams are identified within the system.However, while this functionality exists in WTS, we are just beginning to adopt.	5/24/2018	TBD	TBD	7/31/2018	18.2

QA Tool – QA Lessons Learned & POAM Explained

- The QA Lessons Learned & POAM section includes the following elements:
 - Tracking # - This is a tracking number assigned to Lessons Learned input
 - Input Date – This is the date of input into the QA Lessons Learned
 - Input From – This is the POC from which input was received
 - CMMI Process Area & SP – This is the area from which the input was gathered
 - Lesson Learned – This is a description of the item noted as a learned lesson
 - POA (Plan of Action) – This is a description of the action that will be taken in light of the lesson learned
 - 1st Milestone Date – This is the date of the 1st milestone of achievement
 - 2nd Milestone Date – This is the date of the 2nd milestone of achievement
 - 3rd Milestone Date – This is the date of the 3rd milestone of achievement

QA Tool – QA Lessons Learned & POAM Explained cont'd

- The QA Lessons Learned & POAM section elements continued:
 - Final Implement Date – Date of final implementation of all milestones
 - Release that applied Fix (or NA) – This is the release where the fix was implemented
 - Notes – This is to enter additional notes related to the lesson learned
 - Implemented – This is a description of the items implemented from a lesson learned
 - Approved – Update Standard Guidance and other things such as QA checklist as needed
 - Create and Provide Training on new processes that were added to Standard Guidance
 - Update Process Improvement Worksheet/Workbook – This is for the addition of Process improvement updates
 - Additional Comments – This is designated to additional lessons learned comments



QA Tool – Organizational Audits

The Organizational Audits section provides an area for organizational tracking of deliverables associated with artifact and QA compliance. This section also lists the audit schedule that is followed internally.

Process Area	Specific Practice	Item	Last Date Artifact was Updated	Date Reviewed by QA	Compliant Y/N	Reason for Non Compliance	Audit Schedule
OPD	1.1	Has ITI established and maintained the organization's set of standard processes.	7/25/2018	7/25/2018	Y		End of Release
OPD	1.2	Establish and maintain descriptions of lifecycle models approved for use in the organization.	7/25/2018	7/25/2018	Y		End of Release
OPD	1.3	Establish and maintain tailoring criteria and guidelines for the organization's set of standard processes.	7/25/2018	7/25/2018	Y		End of Release
OPD	1.4	Establish and maintain the organization's measurement repository.	7/25/2018	7/25/2018	Y		End of Release
OPD	1.5	ITI's Organization Process Asset Library Catalog (e.g Catalog and selected items in Organizations Process Asset Library)	7/25/2018	7/25/2018	Y		End of Release
OPD	1.6	Establish and maintain work environment standards	7/25/2018	7/25/2018	Y		End of Release
						ITI is rehosting WTS such that teams are identified within the system.. Result: The Functionality is there but the data is not defined and it is not fully utilized.	Captured as lessons learned under the 18.1-2 Release.
OPD	1.7	Establish and maintain organizational rules and guidelines for the structure, formation, and operations of teams.	7/25/2018	7/25/2018	Y		
OPF	1.1	Establish and maintain the description of the process needs and objectives for the organization.	7/25/2018	7/25/2018	Y		End of Release
OPF	1.2	Appraise the organization's processes periodically and as needed to maintain an understanding of their strengths and weaknesses.	7/25/2018	7/25/2018	Y		End of Release
OPF	1.3	Identify improvements to the organization's processes and process assets.	7/25/2018	7/25/2018	Y		End of Release
OPF	2.1	Establish and maintain process action plans to address improvements to the organization's processes and process assets.	7/25/2018	7/25/2018	Y		End of Release
OPF	2.2	Implement process action plans.	7/25/2018	7/25/2018	Y		End of Release
OPF	3.1	Deploy organizational process assets across the organization.	7/25/2018	7/25/2018	Y		End of Release
OPF	3.2	Deploy the organization's set of standard processes to projects at their startup and deploy changes to them as appropriate throughout the life of each project.	7/25/2018	7/25/2018	Y		End of Release
OPF	3.3	Monitor the implementation of the organization's set of standard processes and use of process assets on all projects.	7/25/2018	7/25/2018	Y		End of Release
OPF	3.4	Incorporate process-related experiences derived from planning and performing the process into the organizational process assets.	7/25/2018	7/25/2018	Y		End of Release
MA	1.1	Establish and maintain measurement objectives derived from identified information needs and objectives.	7/23/2018	7/23/2018	Y		Monthly
MA	1.2	Specify measures to address measurement objectives.	7/23/2018	7/23/2018	Y		Monthly
MA	1.3	Specify how measurement data are obtained and stored.	7/23/2018	7/23/2018	Y		Monthly
MA	1.4	Specify how measurement data are analyzed and communicated.	7/23/2018	7/23/2018	Y		Monthly
MA	2.1	Obtain specified measurement data.	7/23/2018	7/23/2018	Y		Monthly
MA	2.2	Analyze and interpret measurement data.	7/23/2018	7/23/2018	Y		Monthly
MA	2.3	Manage and store measurement data, measurement specifications, and analysis results.	7/23/2018	7/23/2018	Y		Monthly
MA	2.4	Communicate results of measurement and analysis activities to all relevant stakeholders.	7/23/2018	7/23/2018	Y		Monthly
SAM	1.1	Determine the type of acquisition for each product or product component to be acquired.	7/20/2018	7/20/2018	Y		Monthly
SAM	1.2	Select suppliers based on an evaluation of their ability to meet the specified requirements and established criteria.	7/20/2018	7/20/2018	Y		Monthly
SAM	1.3	Establish and maintain supplier agreements.	7/20/2018	7/20/2018	Y		Monthly
SAM	2.1	Perform activities with the supplier as specified in the supplier agreement.	7/20/2018	7/20/2018	Y		Monthly
SAM	2.2	Ensure that the supplier agreement is satisfied before accepting the acquired product.	7/20/2018	7/20/2018	Y		Monthly
SAM	2.3	Ensure the transition of the acquired products from the supplier.	7/20/2018	7/20/2018	Y		Monthly
PPQA	1.1	Objectively evaluate selected performed processes against applicable process descriptions, standards, and procedures.	7/27/2018	7/27/2018	Y		Weekly
PPQA	1.2	Objectively evaluate selected work products against applicable process descriptions, standards, and procedures.	7/27/2018	7/27/2018	Y		Weekly

QA Tool – Organizational Audits Explained

The Organizational Audits section includes the following elements:

- Process Area – This is the process area being audited
- Specific Practice – This is the PD²TDR item that corresponds to the item being audited
- Item – This is a description of the item being audited
- Last Date Artifact was Updated – This is the last date of artifact auditing for an item
- Date Reviewed by QA – This is the last date of QA review for an item
- Compliant Y/N– This is a yes or no answer to the question of compliance of an item
- Reason for Non Compliance – This is to enter an explanation if an item is not compliant
- Audit Schedule – This is the schedule for organizational auditing



QA Tool – Business Risk Register

The Business Risk Register follows guidance outlined in ITIs Software Sustainment Risk Management Plan (AOR 438).

AOR 438 produces a matrix comprised of potential business risk types, impacts, mitigations, and statuses. This is used to evaluate risk across several processes.

#	Risk Type	Share with Customer?	Priority	Risk Area	Impacts	Action Owners (Joint need both)	Project Impact-Mitigation Plan	Status	Owner	Likelihood	Severity	Response (Avoid, mitigate, transfer, accept)	Status	Additional Mitigation or Contingency Plan	Date Modified (By)
1	Business (Capacity)	No	1	Staffing - DC Team consumed with warranty and process support. Need to close work in order to create capacity to support 18.1 release	Scheduling	DC Team Leads	ITI will move work to W/R or pull W/R team into FRM work as needed	Open	ITI	High	High	Mitigate	W/R team engaged and working AORs for warranty support FRM and FHP	Process support will taper as PDM concludes allowing for additional capacity. New employee training plan to shorten training curve and increase productivity is being deployed. Release will be split into four deployments; incremental deployment will help manage risk.	1/26/2018 (SA & JP)
2	Business (Product)	Yes	2	Customer Support	Testing	Coulter & Cambridge D	Constraints on customer resources has potential impacts to operations - eg. Program Responsibilities - Customer Testing	Open	CAM	Med	Med	Mitigate	Low levels of customer support are addressed on a case by case basis. ITI implementing new customer integration testing procedure for IP2 and IP3.	Testing Contingency - ITI performs additional testing with use of working Groups	DG 12/01/17
3	Cybersecurity	No	3	Release Vulnerabilities	System Downtime	Terrence / Marissa	This serves as a notification that potential risks have been identified in Cyber Assessment tab where it will be tracked in detail.	Open	ITI	Low	Med	Accept	ATO has been submitted - Awaiting C&A	Vulnerabilities have been addressed and ATO has been submitted for certification	DG 1/15/18
4	Infrastructure	Yes	4	Infrastructure	System Performance	David Coulter	Cloud infrastructure impact - impact on system usage.	Open	ITI	High	Med	Mitigate	Software sustainment of code is underway.	Over the next year-two, ITI to keep abreast of the process that are impacted thru vigorous testing.	SA 03/01/2018
5	User Mgmt	Yes	5	Customer Support	Drain of resources supporting/training new users.	Cambridge	There is risk in exposing unaffiliated users to the system. Vulnerabilities and opening the system to unaffiliated user without a clear purpose in the process for the user	Open	ITI	High	Med	Mitigate	Software sustainment of the user mgmt functionality is underway.	Define the purpose and process for such users. Consider continuity and process guides. Modernize data dictionary by making it useful to users that are not familiar with processes.	SA 03/01/2018
6	Business Risk	No	6	CMMI Certification	Estimation and Critical Dependencies	ITI CMMI/WTS Team	We will not be able to capture estimation and critical dependencies for 18.1 release because we broke existing functionalities (in order to fix them).	Open	ITI	Low	High	Mitigate	Existing estimation and critical dependency process are ODE, WTS team and bus team are working on new process/functionality in WTS	WTS sustainment work is underway to automate estimating processes.	1/19/2018 (SA & JP)
7	Business Risk	No	?	Risk Mitigation Strategies			<ul style="list-style-type: none"> What is the primary objective of this deployment? What areas have increased risk driven by lack of familiarity? What areas have increased risk driven by process volatility? What risk to the deployment is caused by production support? What risk to the deployment is caused by resource constraints (Personnel)? What risk to the deployment is caused by resource constraints (Non-Personnel)? 	Open	ITI			Mitigate			CD 7/11/2018
8	Business (Contract)	No	7	CMMI Certification	CMMI Certification - SCAMPI C Appraisal findings need to be Addressed	ITI CMMI/WTS Team	ITI will lose CMMI maturity level 3 certification	Open	ITI	Low	High	Mitigate	Plan to readdress and initiate additional QA reviews has been deployed. Will perform another CMMI Scampi C in Mar time frame to reassess progress	CMMI Team engaged and CMMI executive team briefed on way ahead. Training ITI Staff on Evolving process. Ensure Training Plans are in place.	1/26/2018 (SA & JP)
9	Business (Contract)	No	8	Intellectual Property protection	Ability to minimize competition	Mike W	Work with attorney to review Intellectual Property status	Open		Low	High	Mitigate	ITI is moving toward SAAS - Attorney is developing minimum requirements for agreements	Attorneys will be kept abreast and recommend action	DG 1/26/18

QA Tool – Business Risk Register Explained

The Business Risk Register section includes the following elements:

- # - This is the number assigned to each item
- Risk Type – This is the area from which the risk originates
- Share with Customer? – This is a yes or no answer to the question of items shared with the customer
- Priority – This is the priority for an item
- Risk Area – This identifies the area of business risk
- Impacts – This identifies impacts from the business risks
- Action Owners (Joint need both) – This designates the POC(s) associated with actions related to risks
- Project Impact-Mitigation Plan – This is a description of the plan to address and mitigate manifested risks
- Status – This lists the status of a risk
- Owner – This lists the risk owner
- Likelihood – This lists the likelihood of a risk being manifested

QA Tool – Business Risk Register Explained cont'd

The Business Risk Register section elements continued:

- Severity – This lists the severity of an associated risk
- Response (Avoid, mitigate, transfer, accept) – This list the potential response to an associated risk
- Status – This lists the status of a response to a business risk
- Additional Mitigation or Contingency Plan – This is a description of any additional plans to address and mitigate manifested risks
- Date Modified (By) – This is the last date that the item was modified and the POC who made modifications

QA Tool – IT Division Strategy

The IT Division strategy section tracks the potential opportunities for new and expanded business with our current partners and future customers.

Effort	Priority	Status	Contract Renew	Admin Savings	Competition	Current Product / New Customer	New Product /Current Customer	New Product/ New Customer	Other	Comments
Contracting: Sustainable Growth										
Current Products										
Expansion of CAFDEx®		?				x				
CAFDEx® Specifically Configured to New Processes										
FHP for Active Duty(AD)		Proposal In Work				x				
FHP Fuel		On Hold				x				On Hold until May 2018
New Products										
OFCO (Other Funded Customer Orders)		Proposal Submitted						x		
Non-Fly DLR		Proposal Submitted						x		
New Customers										
Navy		?						x		
Implementation of Pipeline Management Strategies		?						x		
Proposals to pursue workload outside of CAFDEx®		?							x	
New Sales for GSA Contract									x	
Operational Excellence										
People										
LMS		Design							x	
Skill Tracking		?							x	
Process										
CMMI Maturity Level 3 Appraisal - Nov 2018	3	Prepping							x	SCAMPI Appraisal is schedule for Nov 12th 2018; Teams is incorporating findings from SCAMPI-C Appraisal from Dec 2017. Another SCAMPI-C in WR coming up.
Technology										
Workload Tracking System (WTS)	2	Develop							x	
Other										
CAFDEx 18.1	1	Develop				x				Mar 29th/May 24th Deployments
CAFDEx 18.2	3	Planning				x				Aug 16th/Nov 8th Deployments
CAFDEx® Website		?								Sync website and material to integrate to WTS RQMT Storage
Certification Training for MPN		In Work								

QA Tool – IT Division Strategy Explained

The IT Division Strategy section includes the following elements:

- Effort – This is the business department associated with contracting and sustainable growth, operational excellence, and other endeavors
- Priority – This is the priority of an associated business strategy
- Status – This is the status of an associated business strategy
- Contract Renew – This is to note whether or not a contract will be or has already been renewed
- Admin Savings – This is to note any administrative savings
- Competition – This is to note any potential business competition
- Current Product / New Customer – This is to note the addition of new customers to our current products
- New Product /Current Customer – This is to note the addition of current customers to our new products
- New Product/ New Customer – This is to note the addition of new customers to our new products
- Other – This is for any other items missed previously
- Comments –This is for additional comments

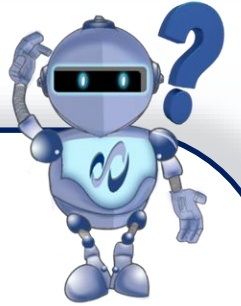
QA and Project Manager Responsibilities

The QA member reports directly to, and works closely with the Project Manager to ensure plans, guidance, and processes are adhered to during the project's PD²TDR process.

The QA reviews processes thereby assisting the Project Manager with their responsibilities to:

- Ensure progress through each phase of ITI's PD²TDR model in accordance with schedule by ensuring commitments to work are determined and assigned.
- Helps to address and overcome barriers that impair progress.
- Document deliverables to include signatures/approvals required to meet milestone requirements and move through the model.

Review



The Quality Assurance member plays an integral part of the PD²TDR Process.

- by ensuring compliance with process
- verifying that required artifacts are attached to their respective AORs.
- using the QA Checklist to track compliance with process and catalog artifacts.

The QA member works closely with the Project Manager to:

- ensure plans, guidance, and processes are adhered to during the project's PD²TDR process.
- confirms progress through each phase of ITI's PD²TDR model is made in accordance with schedule by ensuring commitments to work are determined and assigned.