SQA Metric Items From FPA Spreadsheet - November 2018

Nick Lauerman

Abstract

Evaulation of various potential matrics, performance indicators from the Excel workbook that Software Quality Assurance collected called First Pass Acceptance. This will only be run for the month of November 2018.

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 $^{^{1}\}mathrm{Date}$ Ran: Monday 3^{rd} December, 2018 at 11:03

1 Introduction

The data is processed using R², Version 3.5.1 named "Feather Spray". The only extension (package or library) utilized is lubridate (version 1.7.4) to provide key functionality in the processing of dates.

The data is read into R from a comma seperated value (csv) file which is derived (saved) from the spreadsheet without modification. Additional values are computed as needed.

This report is prepared in the R environment using a collection of packages know as Sweave that included knitr which in turn feeds the package into LATEX 2_{ε} a typeseting program to produce a PDF file. LATEX 2_{ε} in implented in MiTeX. LATEX 2_{ε} is utilizing the following packages to control style and formating:

- datetime and
- multitoc

This will only show a point in time summary and no trends.

2 Data and Calculations

2.1 Data

A seperate data dictionary will be prepared to for both the source data and computed values stored in R.

2.2 Calculations

All calculations presented here have not been implemented in R as formulas.

3 Work Yet to be Completed

3.1 Formula

Some calculations would be better implemented as formulas. The calculations need to be evulated and the formulas developed where needed.

3.2 Trending

Eventually the "System" will be updated to select the data on a for a calander month. After processing the resulots will be stored in a seperate file. This will allow for longer term trending of this data.

3.2.1 Graphs

When "trending" is implented graphs of the trends will also be added.

 $^{^2}$ RStudio is utilized as an IDE

4 Quanity Metrics

4.1 Application supported

This is a list of all application support this period.

Note: Alphabatize the list

```
[1] "WWLIMS"
[2] "MQA Protocol"
[3] "EDMS"
[4] "ADD Shop Floor Paper (SFP) Report System"
[5] "Assay File Database"
[6] "Pulse"
[7] "Clinical Chemistry Excel Spreadsheet for Digital Printing"
[8] "R&D Data Management Dashboard"
[9] "PEAR"
[10] "DFCS"
[11] "IRIS"
[12] "GDSN/GS1"
[13] "QIMS"
[14] "Power BI"
[15] "GS Reports"
[16] "AFMS"
[17] "DaVinci"
[18] "CHaRM"
[19] "Helios"
[20] "eNovator"
[21] "Metrics Library"
[22] "Helios Global Contact Center"
```

4.2 Number of Projects

The total number of projects worked on in this period. This may differ from the application list because some applications may have more than one project in the periond.

[1] 38

4.3 Number of Reviews

This is the number of items reviewed, a document will be counted more than once if it is reviewed more than once.

[1] 138

4.4 Number of Items Reviewed

This is the number of unique items reviewed, each item is only counted once regardless of how many times it is reviewed.

Note: This is reporting low due to certian items having no way to descrimate between such as multiple executions of the same test script or results from an IIVP run on different computers within the same project.

[1] 96

4.5 Number of Projects Started

The point at which a project is started is when version 1 of the *Software Change Request* is approved.

Note: This now counts ML type projects (Metrics Library and GS Reports) using the Project Plan as the point that a project starts.

[1] 9

4.6 Projects Completed

The point at which a project is considered completed is when version 1 of the *System Certification Summary* is approved.

Note: now counts GS (Global Service) Reports Move to Production as the end of project.

[1] 10

4.7 Number Of Deliverables by Type

This is unique for each deliverable. It only counts each document once so a deliverable that is disapproved and then approved is only counted once.

Cancellation	CII
0	4
Data Migration Plan	Data Privacy Plan
1	1
Decommissioning Report	Design Documentation
0	3
Design Verification	ERES
1	3
FRS	IDP
9	3
IIVP	IIVP results
3	3
IIVP Results	ISSD
2	2

Maintenance Plan	Move to Production
1	7
Other	Project Plan
0	9
Release Notes	Risk Assessment
0	2
Software Change Request	Software Compliance Assessment
7	2
System Certification Summary	Test protocol
7	0
Test Protocol	Test Protocol Results
5	8
Traceability	URS
4	5
URS/FRS	User Acceptance Protocol
1	0
User Acceptance Protocol results	Validation Plan
0	3

4.8 Number of Deliverable by Application

This is the number of unique deliverables that each application submitted. It only counts each document once, regardless of the status.

```
Abbott Transfusion Medicine
ADD Shop Floor Paper (SFP) Report System
                                     AFMS
                                       2
         Alinity S Non-LIMS spreadsheets
                 Alinity Source Verifier
                                       0
                                      MMA
                                       0
                               AP 24 CIP
                              Apollo/PHM
                                       0
                                    ASPG
                                       0
                     Assay File Database
           BioCommand Batch Control Plus
```

```
{\tt CHaRM}
Clinical Chemistry Excel Spreadsheet for Digital Printing
                                                     {\tt CMSnext}
                                                            0
                                                     CMSNext
                                     DARA Filler DHM and RU
                                                     DaVinci
                                                           10
                                                        DFCS
                                                          DPW
                                                            0
                                                         EDMS
                                                    eNovator
                                                EP Evaluator
                                                    GDSN/GS1
                                                   Groninger
                                                  GS Reports
                                                      Helios
                                                            2
                               Helios Global Contact Center
                                                   ideaPoint
                                                         IRIS
                                       Knowledge Management
                                             Metrics Library
                                                            2
                                                MQA Protocol
                                                           11
                                                   Navigator
                                                     PCN/SCN
                                                            0
```

```
PEAR
                              1
                      Power BI
               Print on Demand
                          Pulse
                           QIMS
                              2
                            QPI
                              0
R&D Data Management Dashboard
               Reliasoft Xfmea
                          {\tt RSLMS}
                              0
                            SAS
                  TestComplete
                           TODS
                   TrendReader
                         WWLIMS
```

4.9 Number of Approvals, Disapprovals, and First Pass Approvals

A A-FP D 34 61 43

4.10 Table of Deliverables by Application

	Cancellation	CII
Abbott Transfusion Medicine	0	0
ADD Shop Floor Paper (SFP) Report System	0	1
AFMS	0	0
Alinity S Non-LIMS spreadsheets	0	0
Alinity Source Verifier	0	0
AMM	0	0
AP 24 CIP	0	0
Apollo/PHM	0	0

ASPG	0	0
Assay File Database	0	0
BioCommand Batch Control Plus	0	0
CHaRM	0	0
Clinical Chemistry Excel Spreadsheet for Digital Printing	0	0
CMSnext	0	0
CMSNext	0	0
DARA Filler DHM and RU	0	0
DaVinci	0	1
DFCS	0	0
DPW	0	0
EDMS	0	0
eNovator	0	0
EP Evaluator	0	0
GDSN/GS1	0	1
Groninger	0	0
GS Reports	0	0
Helios	0	0
Helios Global Contact Center	0	0
ideaPoint	0	0
IRIS	0	0
Knowledge Management	0	0
Metrics Library	0	0
MQA Protocol	0	1
Navigator	0	0
PCN/SCN	0	0
PEAR	0	0
Power BI	0	0
Print on Demand	0	0
Pulse	0	0
QIMS	0	0
QPI	0	0
R&D Data Management Dashboard	0	0
Reliasoft Xfmea	0	0
RSLMS	0	0
SAS	0	0
TestComplete	0	0
TODS	0	0
TrendReader	0	0
WWLIMS	0	0
	Data Migration	Plan
Abbott Transfusion Medicine		0
ADD Shop Floor Paper (SFP) Report System		0
AFMS		0
Alinity S Non-LIMS spreadsheets		0

```
Alinity Source Verifier
                                                                                 0
                                                                                 0
MMA
AP 24 CIP
                                                                                 0
Apollo/PHM
                                                                                 0
ASPG
                                                                                 0
Assay File Database
                                                                                 0
BioCommand Batch Control Plus
                                                                                 0
                                                                                 0
Clinical Chemistry Excel Spreadsheet for Digital Printing
                                                                                 0
{\tt CMSnext}
                                                                                 0
CMSNext
                                                                                 0
DARA Filler DHM and RU
                                                                                 0
DaVinci
                                                                                 0
DFCS
                                                                                 0
DPW
                                                                                 0
EDMS
                                                                                 0
                                                                                 0
eNovator
EP Evaluator
                                                                                 0
GDSN/GS1
                                                                                 0
Groninger
                                                                                 0
GS Reports
                                                                                 0
Helios
                                                                                 0
Helios Global Contact Center
                                                                                 0
ideaPoint
                                                                                 0
IRIS
                                                                                 1
Knowledge Management
                                                                                 0
Metrics Library
                                                                                 0
MQA Protocol
                                                                                 0
Navigator
                                                                                 0
PCN/SCN
                                                                                 0
PEAR
                                                                                 0
Power BI
                                                                                 0
Print on Demand
                                                                                 0
Pulse
                                                                                 0
QIMS
                                                                                 0
                                                                                 0
QPI
R&D Data Management Dashboard
                                                                                 0
Reliasoft Xfmea
                                                                                 0
RSLMS
                                                                                 0
                                                                                 0
SAS
{\tt TestComplete}
                                                                                 0
TODS
                                                                                 0
TrendReader
                                                                                 0
WWLIMS
                                                                                 0
```

Data Privacy Plan

Abbott Transfusion Medicine	C
ADD Shop Floor Paper (SFP) Report System	C
AFMS	C
Alinity S Non-LIMS spreadsheets	C
Alinity Source Verifier	C
AMM	C
AP 24 CIP	C
Apollo/PHM	C
ASPG	C
Assay File Database	C
BioCommand Batch Control Plus	C
CHaRM	C
Clinical Chemistry Excel Spreadsheet for Digital Printing	C
CMSnext	C
CMSNext	C
DARA Filler DHM and RU	C
DaVinci	C
DFCS	C
DPW	C
EDMS	C
eNovator	C
EP Evaluator	C
GDSN/GS1	C
Groninger	C
GS Reports	C
Helios	C
Helios Global Contact Center	1
ideaPoint	C
IRIS	C
Knowledge Management	C
Metrics Library	C
MQA Protocol	C
Navigator	C
PCN/SCN	C
PEAR	C
Power BI	C
Print on Demand	C
Pulse	C
QIMS	C
QPI	C
R&D Data Management Dashboard	C
Reliasoft Xfmea	0
RSLMS	0
SAS	0
TestComplete	C
TODS	C

TrendReader	0
WWLIMS	0

	Decommissioning	Report
Abbott Transfusion Medicine		0
ADD Shop Floor Paper (SFP) Report System		0
AFMS		0
Alinity S Non-LIMS spreadsheets		0
Alinity Source Verifier		0
AMM		0
AP 24 CIP		0
Apollo/PHM		0
ASPG		0
Assay File Database		0
BioCommand Batch Control Plus		0
CHaRM		0
${\tt Clinical\ Chemistry\ Excel\ Spreadsheet\ for\ Digital\ Printing}$		0
CMSnext		0
CMSNext		0
DARA Filler DHM and RU		0
DaVinci		0
DFCS		0
DPW		0
EDMS		0
eNovator		0
EP Evaluator		0
GDSN/GS1		0
Groninger		0
GS Reports		0
Helios		0
Helios Global Contact Center		0
ideaPoint		0
IRIS		0
Knowledge Management		0
Metrics Library		0
MQA Protocol		0
Navigator		0
PCN/SCN		0
PEAR		0
Power BI		0
Print on Demand		0
Pulse		0
QIMS		0
QPI		0
R&D Data Management Dashboard		0
Reliasoft Xfmea		0

RSLMS SAS TestComplete			0 0 0
TODS TrendReader			0
WWLIMS			0
WMDIND		,	U
	Design	Documentation	
Abbott Transfusion Medicine	202-61	0	
ADD Shop Floor Paper (SFP) Report System		0	
AFMS		0	
Alinity S Non-LIMS spreadsheets		0	
Alinity Source Verifier		0	
AMM		0	
AP 24 CIP		0	
Apollo/PHM		0	
ASPG		0	
Assay File Database		0	
BioCommand Batch Control Plus		0	
CHaRM		0	
Clinical Chemistry Excel Spreadsheet for Digital Printing		1	
CMSnext		0	
CMSNext		0	
DARA Filler DHM and RU		0	
DaVinci		0	
DFCS		0	
DPW		0	
EDMS		0	
eNovator		0	
EP Evaluator		0	
GDSN/GS1		0	
Groninger		0	
GS Reports		0	
Helios		0	
Helios Global Contact Center		0	
ideaPoint		0	
IRIS		0	
Knowledge Management		0	
Metrics Library		2	
MQA Protocol		0	
Navigator		0	
PCN/SCN		0	
PEAR		0	
Power BI		0	
Print on Demand		0	
Pulse		0	

QIMS QPI		0	
R&D Data Management Dashboard		0	
Reliasoft Xfmea		0	
RSLMS		0	
SAS		0	
TestComplete		0	
TODS		0	
TrendReader		0	
WWLIMS		0	
		v	
	Design	Verification	
Abbott Transfusion Medicine	202-6-	0	
ADD Shop Floor Paper (SFP) Report System		0	
AFMS		0	
Alinity S Non-LIMS spreadsheets		0	
Alinity Source Verifier		0	
AMM		0	
AP 24 CIP		0	
Apollo/PHM		0	
ASPG		0	
Assay File Database		0	
BioCommand Batch Control Plus		0	
CHarm		0	
Clinical Chemistry Excel Spreadsheet for Digital Printing		0	
CMSnext		0	
CMSNext		0	
DARA Filler DHM and RU		0	
DaVinci		0	
DFCS		0	
DPW		0	
EDMS		0	
eNovator		0	
EP Evaluator		0	
GDSN/GS1		0	
Groninger		0	
GS Reports		0	
Helios		0	
Helios Global Contact Center		0	
ideaPoint		0	
IRIS		0	
Knowledge Management		0	
Metrics Library		0	
MQA Protocol		0	
Navigator		0	
PCN/SCN		0	

PEAR Power BI Print on Demand Pulse QIMS QPI R&D Data Management Dashboard Reliasoft Xfmea RSLMS SAS TestComplete TODS TrendReader WWLIMS					1 0 0 0 0 0 0 0 0 0 0 0 0
	ERES	FRS	IDP	IIVP	
Abbott Transfusion Medicine	0	0	0	0	
ADD Shop Floor Paper (SFP) Report System	0	0		0	
AFMS	0				
Alinity S Non-LIMS spreadsheets	0	0			
Alinity Source Verifier AMM	0	0			
AP 24 CIP	0	0			
Apollo/PHM	0	0		0	
ASPG	0	0		0	
Assay File Database	0	0		0	
BioCommand Batch Control Plus	0	0		0	
CHaRM	1	0	0	0	
Clinical Chemistry Excel Spreadsheet for Digital Printing	1	1	0	1	
CMSnext	0	0	0	0	
CMSNext	0	0	0	0	
DARA Filler DHM and RU	0	0	0	0	
DaVinci	0	0	1	1	
DFCS	0	0		0	
DPW	0	0		0	
EDMS	0	0	0	0	
eNovator	0	0	0	0	
EP Evaluator GDSN/GS1	0	0	0	0	
Groninger	0	0		1	
GS Reports	0	0		0	
Helios	0	1		0	
Helios Global Contact Center	0	0		0	
ideaPoint	0	0		0	
IRIS	0	0	0	0	
Knowledge Management	0	0	0	0	

Metrics Library	0	0	0	0
MQA Protocol	1	0	0	0
Navigator	0	0	0	0
PCN/SCN	0	0	0	0
PEAR	0	0	0	0
Power BI	0	0	0	0
Print on Demand	0	0	0	0
Pulse	0	0	0	0
QIMS	0	0	0	0
QPI	0	0	0	0
R&D Data Management Dashboard	0	1	0	0
Reliasoft Xfmea	0	0	0	0
RSLMS	0	0	0	0
SAS	0	0	0	0
TestComplete	0	0	0	0
TODS	0	0	0	0
TrendReader	0	0	0	0
WWLIMS	0	6	1	0

IIVP results

	T T V I	Tepatra
Abbott Transfusion Medicine		0
ADD Shop Floor Paper (SFP) Report System		0
AFMS		0
Alinity S Non-LIMS spreadsheets		0
Alinity Source Verifier		0
AMM		0
AP 24 CIP		0
Apollo/PHM		0
ASPG		0
Assay File Database		0
BioCommand Batch Control Plus		0
CHaRM		0
Clinical Chemistry Excel Spreadsheet for Digital Printing		0
CMSnext		0
CMSNext		0
DARA Filler DHM and RU		0
DaVinci		0
DFCS		1
DPW		0
EDMS		1
eNovator		0
EP Evaluator		0
GDSN/GS1		0
Groninger		0
GS Reports		0
Helios		0

T 3	•	
Helios Global Contact Center	0	
ideaPoint	0	
IRIS	0	
Knowledge Management	0	
Metrics Library	0	
MQA Protocol	0	
Navigator	0	
PCN/SCN	0	
PEAR	0	
Power BI	0	
Print on Demand	0	
Pulse	1	
QIMS	0	
QPI	0	
R&D Data Management Dashboard	0	
Reliasoft Xfmea	0	
RSLMS	0	
SAS	0	
TestComplete	0	
TODS	0	
TrendReader	0	
WWLIMS	0	
	IIVP Results	ISSD
Abbott Transfusion Medicine	IIVP Results	
Abbott Transfusion Medicine ADD Shop Floor Paper (SFP) Report System	0	0
Abbott Transfusion Medicine ADD Shop Floor Paper (SFP) Report System AFMS	0	0
ADD Shop Floor Paper (SFP) Report System AFMS	0 0 0	0 0
ADD Shop Floor Paper (SFP) Report System AFMS Alinity S Non-LIMS spreadsheets	0 0 0 0	0 0 0 0
ADD Shop Floor Paper (SFP) Report System AFMS Alinity S Non-LIMS spreadsheets Alinity Source Verifier	0 0 0 0	0 0 0 0
ADD Shop Floor Paper (SFP) Report System AFMS Alinity S Non-LIMS spreadsheets Alinity Source Verifier AMM	0 0 0 0 0	0 0 0 0 0
ADD Shop Floor Paper (SFP) Report System AFMS Alinity S Non-LIMS spreadsheets Alinity Source Verifier AMM AP 24 CIP	0 0 0 0 0	0 0 0 0 0 0
ADD Shop Floor Paper (SFP) Report System AFMS Alinity S Non-LIMS spreadsheets Alinity Source Verifier AMM AP 24 CIP Apollo/PHM	0 0 0 0 0 0	0 0 0 0 0 0
ADD Shop Floor Paper (SFP) Report System AFMS Alinity S Non-LIMS spreadsheets Alinity Source Verifier AMM AP 24 CIP Apollo/PHM ASPG	0 0 0 0 0 0 0	0 0 0 0 0 0 0
ADD Shop Floor Paper (SFP) Report System AFMS Alinity S Non-LIMS spreadsheets Alinity Source Verifier AMM AP 24 CIP Apollo/PHM ASPG Assay File Database	0 0 0 0 0 0 0	0 0 0 0 0 0 0
ADD Shop Floor Paper (SFP) Report System AFMS Alinity S Non-LIMS spreadsheets Alinity Source Verifier AMM AP 24 CIP Apollo/PHM ASPG Assay File Database BioCommand Batch Control Plus	0 0 0 0 0 0 0	0 0 0 0 0 0 0 0
ADD Shop Floor Paper (SFP) Report System AFMS Alinity S Non-LIMS spreadsheets Alinity Source Verifier AMM AP 24 CIP Apollo/PHM ASPG Assay File Database BioCommand Batch Control Plus CHaRM	0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0
ADD Shop Floor Paper (SFP) Report System AFMS Alinity S Non-LIMS spreadsheets Alinity Source Verifier AMM AP 24 CIP Apollo/PHM ASPG Assay File Database BioCommand Batch Control Plus CHaRM Clinical Chemistry Excel Spreadsheet for Digital Printing	0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0
ADD Shop Floor Paper (SFP) Report System AFMS Alinity S Non-LIMS spreadsheets Alinity Source Verifier AMM AP 24 CIP Apollo/PHM ASPG Assay File Database BioCommand Batch Control Plus CHaRM Clinical Chemistry Excel Spreadsheet for Digital Printing CMSnext	0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0
ADD Shop Floor Paper (SFP) Report System AFMS Alinity S Non-LIMS spreadsheets Alinity Source Verifier AMM AP 24 CIP Apollo/PHM ASPG Assay File Database BioCommand Batch Control Plus CHaRM Clinical Chemistry Excel Spreadsheet for Digital Printing CMSnext CMSNext	0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0
ADD Shop Floor Paper (SFP) Report System AFMS Alinity S Non-LIMS spreadsheets Alinity Source Verifier AMM AP 24 CIP Apollo/PHM ASPG Assay File Database BioCommand Batch Control Plus CHaRM Clinical Chemistry Excel Spreadsheet for Digital Printing CMSnext CMSNext DARA Filler DHM and RU	0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0
ADD Shop Floor Paper (SFP) Report System AFMS Alinity S Non-LIMS spreadsheets Alinity Source Verifier AMM AP 24 CIP Apollo/PHM ASPG Assay File Database BioCommand Batch Control Plus CHaRM Clinical Chemistry Excel Spreadsheet for Digital Printing CMSnext CMSNext DARA Filler DHM and RU DaVinci	0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0
ADD Shop Floor Paper (SFP) Report System AFMS Alinity S Non-LIMS spreadsheets Alinity Source Verifier AMM AP 24 CIP Apollo/PHM ASPG Assay File Database BioCommand Batch Control Plus CHaRM Clinical Chemistry Excel Spreadsheet for Digital Printing CMSnext CMSNext DARA Filler DHM and RU DaVinci DFCS	0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0
ADD Shop Floor Paper (SFP) Report System AFMS Alinity S Non-LIMS spreadsheets Alinity Source Verifier AMM AP 24 CIP Apollo/PHM ASPG Assay File Database BioCommand Batch Control Plus CHaRM Clinical Chemistry Excel Spreadsheet for Digital Printing CMSnext CMSNext DARA Filler DHM and RU DaVinci DFCS DPW	0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0
ADD Shop Floor Paper (SFP) Report System AFMS Alinity S Non-LIMS spreadsheets Alinity Source Verifier AMM AP 24 CIP Apollo/PHM ASPG Assay File Database BioCommand Batch Control Plus CHaRM Clinical Chemistry Excel Spreadsheet for Digital Printing CMSnext CMSNext DARA Filler DHM and RU DaVinci DFCS DPW EDMS	0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
ADD Shop Floor Paper (SFP) Report System AFMS Alinity S Non-LIMS spreadsheets Alinity Source Verifier AMM AP 24 CIP Apollo/PHM ASPG Assay File Database BioCommand Batch Control Plus CHaRM Clinical Chemistry Excel Spreadsheet for Digital Printing CMSnext CMSNext DARA Filler DHM and RU DaVinci DFCS DPW	0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0

GDSN/GS1	0	0
Groninger	0	0
GS Reports	0	0
Helios	0	0
Helios Global Contact Center	0	0
ideaPoint	0	0
IRIS	0	0
Knowledge Management	0	0
Metrics Library	0	0
MQA Protocol	0	1
Navigator	0	0
PCN/SCN	0	0
PEAR	0	0
Power BI	0	0
Print on Demand	0	0
Pulse	0	0
QIMS	0	0
QPI	0	0
R&D Data Management Dashboard	0	0
Reliasoft Xfmea	0	0
RSLMS	0	0
SAS	0	0
TestComplete	0	0
TODS	0	0
TrendReader	0	0
WWLIMS	0	0
	Maintenance P	lan
Abbott Transfusion Medicine	Maintenance F	0
ADD Shop Floor Paper (SFP) Report System		0
AFMS		0
Alinity S Non-LIMS spreadsheets		0
Alinity Source Verifier		0
AMM		0
AP 24 CIP		0
Apollo/PHM		0
ASPG		0
Assay File Database		0
BioCommand Batch Control Plus		0
CHaRM		0
Clinical Chemistry Excel Spreadsheet for Digital Printing		1
CMSnext		0
CMSNext		0
DARA Filler DHM and RU		0
DaVinci		0
DFCS		0

DPW			0
EDMS			0
eNovator			0
EP Evaluator			0
GDSN/GS1			0
Groninger			0
GS Reports			0
Helios			0
Helios Global Contact Center			0
ideaPoint			0
IRIS			0
Knowledge Management			0
Metrics Library			0
MQA Protocol			0
Navigator			0
PCN/SCN			0
PEAR			0
Power BI			0
Print on Demand			0
Pulse			0
QIMS			0
QPI			0
R&D Data Management Dashboard			0
Reliasoft Xfmea			0
RSLMS			0
SAS			0
TestComplete			0
TODS			0
TrendReader			0
WWLIMS			0
	Move	to	Production
Abbott Transfusion Medicine			0
ADD Shop Floor Paper (SFP) Report System			0
AFMS			0
Alinity S Non-LIMS spreadsheets			0
Alinity Source Verifier			0
AMM			0
AP 24 CIP			0
Apollo/PHM			0
ASPG			0
Assay File Database			2
BioCommand Batch Control Plus			0
CHaRM			0
Clinical Chemistry Excel Spreadsheet for Digital Printing			0
CMSnext			0

DARA Filler DHM and RU		0
DaVinci		1
DFCS		0
DPW		0
EDMS		0
eNovator		0
EP Evaluator		0
GDSN/GS1		0
Groninger		0
GS Reports		4
Helios		0
Helios Global Contact Center		0
ideaPoint		0
IRIS		0
Knowledge Management		0
Metrics Library		0
MQA Protocol		0
Navigator		0
PCN/SCN		0
PEAR		0
Power BI		0
Print on Demand		0
Pulse		0
QIMS		0
QPI		0
R&D Data Management Dashboard		0
Reliasoft Xfmea		0
RSLMS		0
SAS		0
TestComplete		0
TODS		0
TrendReader		0
WWLIMS		0
		Project Plan
Abbott Transfusion Medicine	0	0
ADD Shop Floor Paper (SFP) Report System	0	0
AFMS	0	0
Alinity S Non-LIMS spreadsheets	0	0
Alinity Source Verifier	0	0
AMM	0	0
AP 24 CIP	0	0
Apollo/PHM	0	0
ASPG	0	0
Assay File Database	0	0

CMSNext

BioCommand Batch Control Plus	0	0
CHaRM	0	0
Clinical Chemistry Excel Spreadsheet for Digital Printing	0	2
CMSnext	0	0
CMSNext	0	0
DARA Filler DHM and RU	0	0
DaVinci	0	0
DFCS	0	0
DPW	0	0
EDMS	0	0
eNovator	0	0
EP Evaluator	0	0
GDSN/GS1	0	0
Groninger	0	0
GS Reports	0	5
Helios	0	0
Helios Global Contact Center	0	0
ideaPoint	0	0
IRIS		
	0	0
Knowledge Management	0	0
Metrics Library	0	0
MQA Protocol	0	0
Navigator	0	0
PCN/SCN	0	0
PEAR	0	0
Power BI	0	2
Print on Demand	0	0
Pulse	0	0
QIMS	0	0
QPI	0	0
R&D Data Management Dashboard	0	0
Reliasoft Xfmea	0	0
RSLMS	0	0
SAS	0	0
TestComplete	0	0
TODS	0	0
TrendReader	0	0
WWLIMS	0	0
F	Release Notes	
Abbott Transfusion Medicine	0	
ADD Shop Floor Paper (SFP) Report System	0	
AFMS	0	
Alinity S Non-LIMS spreadsheets	0	
Alinity Source Verifier	0	
AMM	0	

AP 24 CIP		0
Apollo/PHM		0
ASPG		0
Assay File Database		0
BioCommand Batch Control Plus		0
CHaRM		0
Clinical Chemistry Excel Spreadsheet for Digital Printing		0
CMSnext		0
CMSNext		0
DARA Filler DHM and RU		0
DaVinci		0
DFCS		0
DPW		0
EDMS		0
eNovator		0
EP Evaluator		0
GDSN/GS1		0
Groninger		0
GS Reports		0
Helios		0
Helios Global Contact Center		0
ideaPoint		0
IRIS		0
Knowledge Management		0
Metrics Library		0
MQA Protocol		0
Navigator		0
PCN/SCN		0
PEAR		0
Power BI		0
Print on Demand		0
Pulse		0
QIMS		0
QPI		0
R&D Data Management Dashboard		0
Reliasoft Xfmea		0
RSLMS		0
SAS		0
TestComplete		0
TODS		0
TrendReader		0
WWLIMS		0
		-
	Risk	Assessment
Abbott Transfusion Medicine		0
ADD Shop Floor Paper (SFP) Report System		0

AFMS	0
Alinity S Non-LIMS spreadsheets	0
Alinity Source Verifier	0
AMM	0
AP 24 CIP	0
Apollo/PHM	0
ASPG	0
Assay File Database	0
BioCommand Batch Control Plus	0
CHaRM	0
Clinical Chemistry Excel Spreadsheet for Digital Printing	1
CMSnext	0
CMSNext	0
DARA Filler DHM and RU	0
DaVinci	0
DFCS	0
DPW	0
EDMS	0
eNovator	0
EP Evaluator	0
GDSN/GS1	1
Groninger	0
GS Reports	0
Helios	0
Helios Global Contact Center	0
ideaPoint	0
IRIS	0
Knowledge Management	0
Metrics Library	0
MQA Protocol	0
Navigator	0
PCN/SCN	0
PEAR	0
Power BI	0
Print on Demand	0
Pulse	0
QIMS	0
QPI	0
R&D Data Management Dashboard	0
Reliasoft Xfmea	0
RSLMS	0
SAS	0
TestComplete	0
TODS	0
TrendReader	0
WWLIMS	0

	Software	Change	Request
Abbott Transfusion Medicine			0
ADD Shop Floor Paper (SFP) Report System			0
AFMS			1
Alinity S Non-LIMS spreadsheets			0
Alinity Source Verifier			0
AMM			0
AP 24 CIP			0
Apollo/PHM			0
ASPG			0
Assay File Database			0
BioCommand Batch Control Plus			0
CHaRM			1
Clinical Chemistry Excel Spreadsheet for Digital Printing			2
CMSnext			0
CMSNext			0
DARA Filler DHM and RU			0
DaVinci			1
DFCS			0
DPW			0
EDMS			0
eNovator			0
EP Evaluator			0
GDSN/GS1			1
Groninger			0
GS Reports			0
Helios			0
Helios Global Contact Center			0
ideaPoint			0
IRIS			0
Knowledge Management			0
Metrics Library			0
MQA Protocol			0
Navigator			0
PCN/SCN			0
PEAR			0
Power BI			0
Print on Demand			0
Pulse			0
QIMS			1
QPI			0
R&D Data Management Dashboard			0
Reliasoft Xfmea			0
RSLMS			0
SAS			0

WWLIMS			0
	Software	Compliance	Assessment
Abbott Transfusion Medicine		•	0
ADD Shop Floor Paper (SFP) Report System			0
AFMS			0
Alinity S Non-LIMS spreadsheets			0
Alinity Source Verifier			0
AMM			0
AP 24 CIP			0
Apollo/PHM			0
ASPG			0
Assay File Database			0
BioCommand Batch Control Plus			0
CHaRM			1
Clinical Chemistry Excel Spreadsheet for Digital Printing	•		0
CMSnext			0
CMSNext			0
DARA Filler DHM and RU			0
DaVinci			0
DFCS			0
DPW			0
EDMS			0
eNovator			0
EP Evaluator			0
GDSN/GS1			0
Groninger			0
GS Reports			0
Helios			0
Helios Global Contact Center			0
ideaPoint			0

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TestComplete

TrendReader

TODS

IRIS

Knowledge Management

Metrics Library

Print on Demand

MQA Protocol

 ${\tt Navigator}$

PCN/SCN

Power BI

PEAR

Pulse

QIMS

QPI

R&D Data Management Dashboard			
Reliasoft Xfmea			
RSLMS			
SAS			
TestComplete			
TODS			
TrendReader			
WWLIMS			
	a .	a	a
Albert Transferica Medicine	System	Certification	
Abbott Transfusion Medicine			0
ADD Shop Floor Paper (SFP) Report System AFMS			1
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Alinity S Non-LIMS spreadsheets			
Alinity Source Verifier			0
AMM AP 24 CIP			0
			0
Apollo/PHM ASPG			0
Assay File Database			0
BioCommand Batch Control Plus			0
CHaRM			0
Clinical Chemistry Excel Spreadsheet for Digital Printing			0
CMSnext			0
CMSNext			0
DARA Filler DHM and RU			0
DaVinci			1
DFCS			1
DPW			0
EDMS			1
eNovator			0
EP Evaluator			0
GDSN/GS1			0
Groninger			0
GS Reports			0
Helios			0
Helios Global Contact Center			0
ideaPoint			0
IRIS			0
Knowledge Management			0
Metrics Library			0
MQA Protocol			2
Navigator			0
PCN/SCN			0
PEAR			0
Power BI			0

Print on Demand		0
Pulse		0
QIMS		0
QPI		0
R&D Data Management Dashboard		0
Reliasoft Xfmea		0
RSLMS		0
SAS		0
TestComplete		0
TODS		0
TrendReader		0
WWLIMS		1
	Test protocol	
Abbott Transfusion Modicina	lack	

	Test protocol
Abbott Transfusion Medicine	0
ADD Shop Floor Paper (SFP) Report System	0
AFMS	0
Alinity S Non-LIMS spreadsheets	0
Alinity Source Verifier	0
AMM	0
AP 24 CIP	0
Apollo/PHM	0
ASPG	0
Assay File Database	0
BioCommand Batch Control Plus	0
CHaRM	0
Clinical Chemistry Excel Spreadsheet for Digital Printing	0
CMSnext	0
CMSNext	0
DARA Filler DHM and RU	0
DaVinci	0
DFCS	0
DPW	0
EDMS	0
eNovator	0
EP Evaluator	0
GDSN/GS1	0
Groninger	0
GS Reports	0
Helios	0
Helios Global Contact Center	0
ideaPoint	0
IRIS	0
Knowledge Management	0
Metrics Library	0
MQA Protocol	0

Navigator		0
PCN/SCN		0
PEAR		0
Power BI		0
Print on Demand		0
Pulse		0
QIMS		0
QPI		0
R&D Data Management Dashboard		0
Reliasoft Xfmea		0
RSLMS		0
SAS		0
TestComplete		0
TODS		0
TrendReader		0
WWLIMS		0
	Test	Protocol
Abbott Transfusion Medicine		0
ADD Shop Floor Paper (SFP) Report System		0
AFMS		0
Alinity S Non-LIMS spreadsheets		0
Alinity Source Verifier		0
AMM		0
AP 24 CIP		0
Apollo/PHM		0
ASPG		0
Assay File Database		0
BioCommand Batch Control Plus		0
CHaRM		0
Clinical Chemistry Excel Spreadsheet for Digital Printing	ng	0
CMSnext		0
CMSNext		0
DARA Filler DHM and RU		0
DaVinci		1
DFCS		0
DPW		0
EDMS		0
eNovator		0
EP Evaluator		0
GDSN/GS1		1
Groninger		0
GS Reports		0
Helios		0
Helios Global Contact Center		0
ideaPoint		0

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Knowledge Management	
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·	3
Navigator	0
. The state of the	0
PEAR	0
Power BI	0
Print on Demand	0
Pulse	0
QIMS	0
QPI	0
R&D Data Management Dashboard	0
Reliasoft Xfmea	0
RSLMS	0
SAS	0
TestComplete	0
TODS	0
TrendReader	0
WWLIMS	0

Test Protocol Results

	TCBU TTOUCCOT TCBUTCB
Abbott Transfusion Medicine	0
ADD Shop Floor Paper (SFP) Report System	3
AFMS	0
Alinity S Non-LIMS spreadsheets	0
Alinity Source Verifier	0
AMM	0
AP 24 CIP	0
Apollo/PHM	0
ASPG	0
Assay File Database	0
BioCommand Batch Control Plus	0
CHaRM	0
Clinical Chemistry Excel Spreadsheet for Digital Printing	0
CMSnext	0
CMSNext	0
DARA Filler DHM and RU	0
DaVinci	1
DFCS	1
DPW	0
EDMS	0
eNovator	0
EP Evaluator	0
GDSN/GS1	3
Groninger	0

GS Reports	0
Helios	0
Helios Global Contact Center	0
ideaPoint	0
IRIS	0
Knowledge Management	0
Metrics Library	0
MQA Protocol	0
Navigator	0
PCN/SCN	0
PEAR	0
Power BI	0
Print on Demand	0
Pulse	0
QIMS	0
QPI	0
R&D Data Management Dashboard	0
Reliasoft Xfmea	0
RSLMS	0
SAS	0
TestComplete	0
TODS	0
TrendReader	0
WWLIMS	0

	Traceability	URS
Abbott Transfusion Medicine	Ö	0
ADD Shop Floor Paper (SFP) Report System	1	0
AFMS	0	1
Alinity S Non-LIMS spreadsheets	0	0
Alinity Source Verifier	0	0
AMM	0	0
AP 24 CIP	0	0
Apollo/PHM	0	0
ASPG	0	0
Assay File Database	0	0
BioCommand Batch Control Plus	0	0
CHaRM	0	1
Clinical Chemistry Excel Spreadsheet for Digital Printing	0	1
CMSnext	0	0
CMSNext	0	0
DARA Filler DHM and RU	0	0
DaVinci	1	0
DFCS	1	0
DPW	0	0
EDMS	0	0

eNovator	0	0
EP Evaluator	0	0
GDSN/GS1	0	0
Groninger	0	0
GS Reports	0	0
Helios	0	1
Helios Global Contact Center	0	0
ideaPoint	0	0
IRIS	0	0
Knowledge Management	0	0
Metrics Library	0	0
MQA Protocol	1	0
Navigator	0	0
PCN/SCN	0	0
PEAR	0	0
Power BI	0	0
Print on Demand	0	0
Pulse	0	0
QIMS	0	0
QPI	0	0
R&D Data Management Dashboard	0	1
Reliasoft Xfmea	0	0
RSLMS	0	0
SAS	0	0
TestComplete	0	0
TODS	0	0
TrendReader	0	0
WWLIMS	0	0

URS/FRS Abbott Transfusion Medicine 0 ADD Shop Floor Paper (SFP) Report System 0 AFMS 0 Alinity S Non-LIMS spreadsheets 0 Alinity Source Verifier 0 ${\tt MMA}$ 0 AP 24 CIP 0 Apollo/PHM 0 0 ASPG 0 Assay File Database BioCommand Batch Control Plus 0 ${\tt CHaRM}$ Clinical Chemistry Excel Spreadsheet for Digital Printing 1 ${\tt CMSnext}$ 0 CMSNext 0 DARA Filler DHM and RU 0

DaVinci	0
DFCS	0
DPW	0
EDMS	0
eNovator	0
	0
EP Evaluator	-
GDSN/GS1	0
Groninger	0
GS Reports	0
Helios	0
Helios Global Contact Center	0
ideaPoint	0
IRIS	0
Knowledge Management	0
Metrics Library	0
MQA Protocol	0
Navigator	0
PCN/SCN	0
PEAR	0
Power BI	0
Print on Demand	0
Pulse	0
QIMS	0
QPI	0
R&D Data Management Dashboard	0
Reliasoft Xfmea	0
RSLMS	0
SAS	0
TestComplete	0
TODS	0
TrendReader	0
WWLIMS	0

User Acceptance Protocol Abbott Transfusion Medicine ADD Shop Floor Paper (SFP) Report System 0 0 Alinity S Non-LIMS spreadsheets 0 Alinity Source Verifier 0 ${\tt MMA}$ 0 AP 24 CIP 0 Apollo/PHM 0 0 ASPG Assay File Database 0 BioCommand Batch Control Plus 0 ${\tt CHaRM}$ 0

Chini and Chaminton Frank Council host for Digital Printing	0
Clinical Chemistry Excel Spreadsheet for Digital Printing	0
CMSnext	0
CMSNext	0
DARA Filler DHM and RU	0
DaVinci	0
DFCS	0
DPW	0
EDMS	0
eNovator	0
EP Evaluator	0
GDSN/GS1	0
Groninger	0
GS Reports	0
Helios	0
Helios Global Contact Center	0
ideaPoint	0
IRIS	0
Knowledge Management	0
Metrics Library	0
MQA Protocol	0
Navigator	0
PCN/SCN	0
PEAR	0
Power BI	0
Print on Demand	0
Pulse	0
QIMS	0
QPI	0
R&D Data Management Dashboard	0
Reliasoft Xfmea	0
RSLMS	0
SAS	0
TestComplete	0
TODS	0
TrendReader	0
WWLIMS	0
	J

User Acceptance Protocol results

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Abbott Transfusion Medicine	
ADD Shop Floor Paper (SFP) Report System	
AFMS	
Alinity S Non-LIMS spreadsheets	
Alinity Source Verifier	
AMM	Q
AP 24 CIP	Q
Apollo/PHM	d

ASPG	
Assay File Database	
BioCommand Batch Control Plus	
CHaRM	
Clinical Chemistry Excel Spreadsheet for Digital	Printing
CMSnext	· ·
CMSNext	
DARA Filler DHM and RU	
DaVinci	
DFCS	
DPW	
EDMS	
eNovator	
EP Evaluator	
GDSN/GS1	
Groninger	
GS Reports	
Helios	
Helios Global Contact Center	
ideaPoint	
IRIS	
Knowledge Management	
Metrics Library	
MQA Protocol	
Navigator	
PCN/SCN	
PEAR	
Power BI	
Print on Demand	
Pulse	
QIMS	
QPI	
R&D Data Management Dashboard	
Reliasoft Xfmea	
RSLMS	
SAS	
TestComplete	
TODS	
TrendReader	
WWLIMS	
	Validation Plan
Abbott Transfusion Medicine	varidation Fian
ADD Shop Floor Paper (SFP) Report System	0
AFMS	0
Alinity S Non-LIMS spreadsheets	0
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Alinity Source Verifier	0
AMM	0
AP 24 CIP	0
Apollo/PHM	0
ASPG	0
Assay File Database	0
BioCommand Batch Control Plus	0
CHaRM	0
Clinical Chemistry Excel Spreadsheet for Digital Printing	0
CMSnext	0
CMSNext	0
DARA Filler DHM and RU	0
DaVinci	0
DFCS	0
DPW	0
EDMS	0
eNovator	0
EP Evaluator	0
GDSN/GS1	0
Groninger	0
GS Reports	0
Helios	0
Helios Global Contact Center	0
ideaPoint	0
IRIS	0
Knowledge Management	0
Metrics Library	0
MQA Protocol	2
Navigator	0
PCN/SCN	0
PEAR	0
Power BI	0
Print on Demand	0
Pulse	0
QIMS	0
QPI	0
R&D Data Management Dashboard	0
Reliasoft Xfmea	0
RSLMS	0
SAS	0
TestComplete	0
TODS	0
TrendReader	0
WWLIMS	1

4.11 Table of Rejection Reasons

Inaccurate information	Incorrect Approvers
27	1
Incorrect scope	Insufficient testing
1	1
Insufficient traceability	N/A
2	0
Not compliant with procedure	Not following configuration management
5	0
Not following document version control	Not using template
1	0
Other	Requirement deficiency
2	1

4.12 Defects Verses Application

	Inaccurate	information
ADD Shop Floor Paper (SFP) Report System		4
AFMS		1
Assay File Database		0
CHaRM		0
Clinical Chemistry Excel Spreadsheet for Digital Printing		7
DaVinci		0
EDMS		0
GDSN/GS1		4
Helios		0
IRIS		2
MQA Protocol		6
QIMS		2
WWLIMS		1
	_	

	Incorrect A	Approvers
ADD Shop Floor Paper (SFP) Report System		0
AFMS		0
Assay File Database		0
CHaRM		0
Clinical Chemistry Excel Spreadsheet for Digital Printing		0
DaVinci		0
EDMS		1
GDSN/GS1		0
Helios		0
IRIS		0
MQA Protocol		0
QIMS		0
WWLIMS		0

	Incorrect sc	оре
ADD Shop Floor Paper (SFP) Report System		0
AFMS		0
Assay File Database		0
CHaRM		0
Clinical Chemistry Excel Spreadsheet for Digital Printing		0
DaVinci		0
EDMS		0
GDSN/GS1		1
Helios		0
IRIS		0
MQA Protocol		0
QIMS		0
WWLIMS		0
	Insufficient	testing
ADD Shop Floor Paper (SFP) Report System		0
AFMS		0
Assay File Database		0
CHaRM		0
Clinical Chemistry Excel Spreadsheet for Digital Printing		1
DaVinci		0
EDMS		0
GDSN/GS1		0
Helios		0
IRIS		0
MQA Protocol		0
QIMS		0
WWLIMS		0
	Insufficient	traceability
ADD Shop Floor Paper (SFP) Report System		0
AFMS		0
Assay File Database		0
CHaRM		0
Clinical Chemistry Excel Spreadsheet for Digital Printing		2
DaVinci		0
EDMS		0
GDSN/GS1		0
Helios		0
IRIS		0
MQA Protocol		0
QIMS		0
WWLIMS		0

	N/A		
ADD Shop Floor Paper (SFP) Report System	0		
AFMS	0		
Assay File Database	0		
CHaRM	0		
Clinical Chemistry Excel Spreadsheet for Digital Printing	0		
DaVinci	0		
EDMS	0		
GDSN/GS1	0		
Helios	0		
IRIS	0		
MQA Protocol	0		
QIMS	0		
WWLIMS	0		
	Not	compliant	with procedure
ADD Shop Floor Paper (SFP) Report System			0
AFMS			0
Assay File Database			1
CHaRM			0
Clinical Chemistry Excel Spreadsheet for Digital Printing			1
DaVinci			0
EDMS			0
GDSN/GS1			1
Helios			2

Not following configuration mana

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0

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ADD Shop Floor Paper (SFP) Report System
AFMS
Assay File Database
CHaRM
Clinical Chemistry Excel Spreadsheet for Digital Printing
DaVinci
EDMS
GDSN/GS1
Helios
IRIS
MQA Protocol
QIMS
WWLIMS
```

IRIS

QIMS

WWLIMS

MQA Protocol

Not following document version of

```
ADD Shop Floor Paper (SFP) Report System
AFMS
Assay File Database
{\tt CHaRM}
Clinical Chemistry Excel Spreadsheet for Digital Printing
{\tt DaVinci}
EDMS
GDSN/GS1
Helios
IRIS
MQA Protocol
QIMS
WWLIMS
                                                             Not using template
ADD Shop Floor Paper (SFP) Report System
AFMS
Assay File Database
{\tt CHaRM}
Clinical Chemistry Excel Spreadsheet for Digital Printing
```

DaVinci

GDSN/GS1 Helios

MQA Protocol

EDMS

IRIS

QIMS

WWLIMS

	Other
ADD Shop Floor Paper (SFP) Report System	0
AFMS	0
Assay File Database	0
CHaRM	1
Clinical Chemistry Excel Spreadsheet for Digital Printing	0
DaVinci	1
EDMS	0
GDSN/GS1	0
Helios	0
IRIS	0
MQA Protocol	0
QIMS	0
WWLIMS	0

Requirement deficiency 0

0

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0

ADD Shop Floor Paper (SFP) Report System

AFMS	0
Assay File Database	0
CHaRM	0
Clinical Chemistry Excel Spreadsheet for Digital Printing	1
DaVinci	0
EDMS	0
GDSN/GS1	0
Helios	0
IRIS	0
MQA Protocol	0
QIMS	0
WWLIMS	0

4.13 Defects Verses Deliverable

> table(as.character(subset(FPA, subset = (status == "D"))\$deliverable),
+ subset(FPA, subset = (status == "D"))\$reason)

	Inaccurate	information	Incorrect	Approvers
CII		5		0
Data Migration Plan		2		0
ERES		1		0
FRS		1		0
IIVP		1		0
IIVP results		0		1
ISSD		1		0
Maintenance Plan		0		0
Move to Production		0		0
Project Plan		1		0
Software Change Request		4		0
System Certification Summary		1		0
Test Protocol		4		0
Test Protocol Results		0		0
Traceability		1		0
URS		3		0
URS/FRS		1		0
Validation Plan		1		0

	Incorrect so	cope :	Insufficient	testing
CII		0		0
Data Migration Plan		0		0
ERES		0		0
FRS		0		0
IIVP		1		0
IIVP results		0		0
ISSD		0		0

Maintenance Plan	0	0
Move to Production	0	0
Project Plan	0	0
Software Change Request	0	0
System Certification Summary	0	0
Test Protocol	0	0
Test Protocol Results	0	0
Traceability	0	0
URS	0	0
URS/FRS	0	1
Validation Plan	0	0

Insufficient traceability N/A

CII	0	0
Data Migration Plan	0	0
ERES	0	0
FRS	1	0
IIVP	0	0
IIVP results	0	0
ISSD	0	0
Maintenance Plan	0	0
Move to Production	0	0
Project Plan	0	0
Software Change Request	0	0
System Certification Summary	0	0
Test Protocol	0	0
Test Protocol Results	0	0
Traceability	0	0
URS	0	0
URS/FRS	1	0
Validation Plan	0	0

Not compliant with procedure

CII	0
Data Migration Plan	0
ERES	0
FRS	1
IIVP	0
IIVP results	0
ISSD	0
Maintenance Plan	0
Move to Production	1
Project Plan	1
Software Change Request	0
System Certification Summary	0
Test Protocol	0

Test Protocol Results Traceability URS URS/FRS Validation Plan				1 0 1 0	
CII Data Migration Plan ERES FRS IIVP IIVP results ISSD Maintenance Plan Move to Production Project Plan Software Change Request System Certification Summary Test Protocol Test Protocol Results Traceability URS URS/FRS Validation Plan	Not	following	configura	ation mar	nagement 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
CII Data Migration Plan ERES FRS IIVP IIVP results ISSD Maintenance Plan Move to Production Project Plan Software Change Request System Certification Summary Test Protocol Test Protocol Results Traceability URS URS/FRS Validation Plan	Not	following	document	version	control 0 0 0 0 0 0 0 0 0 0 0 1 0 0 0 0 0 0 0

	Not	using	template	Other	Requirement	deficiency
CII			0	0		0
Data Migration Plan			0	0		0
ERES			0	0		0
FRS			0	0		1
IIVP			0	0		0
IIVP results			0	0		0
ISSD			0	0		0
Maintenance Plan			0	0		0
Move to Production			0	0		0
Project Plan			0	0		0
Software Change Request			0	0		0
System Certification Summary			0	0		0
Test Protocol			0	1		0
Test Protocol Results			0	0		0
Traceability			0	0		0
URS			0	1		0
URS/FRS			0	0		0
Validation Plan			0	0		0

4.14 Rejection Reason by Deliverable

CII	Data Migration Plan
5	2
ERES	FRS
1	4
IIVP	IIVP results
2	1
ISSD	Maintenance Plan
1	1
Move to Production	Project Plan
1	2
Software Change Request	System Certification Summary
4	2
Test Protocol	Test Protocol Results
6	1
Traceability	URS
1	5
URS/FRS	Validation Plan
3	1

4.15 Number of Rejections by Project

ADD Shop Floor Paper (SFP) Report System \$5\$ AFMS

```
Assay File Database
                                                      CHaRM
Clinical Chemistry Excel Spreadsheet for Digital Printing
                                                    DaVinci
                                                          1
                                                       EDMS
                                                          1
                                                   GDSN/GS1
                                                     Helios
                                                          2
                                                       IRIS
                                              MQA Protocol
                                                       QIMS
                                                          2
                                                     WWLIMS
                                                          1
```

5 Rate Metrics

5.1 Document Approval Rate

This is portion of documents that are approved upon review.

It is computed by counting the number of approvals devided that by the total number of reviews.

[1] 0.6884058

5.2 First Pass Acceptance

this is the portion of documents that are approved on the first review conducted by SQA.

It is computed by counting the number of first pass approvals devided by the number of reviews.

[1] 0.442029