

# LC/Div SQA Metric Items From FPA Spreadsheet - July 2021

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## Abstract

Presentation of First Pass Acceptance of SLC documentation. This is derived from the Excel workbook that Software Quality Assurance collected called "First Pass Acceptance.xlsx".<sup>1</sup> This is for the month of July 2021.<sup>2</sup>

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## 1 First Pass Acceptance Results

For the month of July 2021 the follow are the First Pass Acceptance Metrics results.

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<sup>1</sup>data is stored on the dept 09HD share drive

<sup>2</sup>Date Ran: Monday 2<sup>nd</sup> August, 2021 at 16:05

Projects Started	9
Projects Completed	6
Items Reviewed	337
Items Rejected	53
First Pass Acceptance Rate	71.8 %
Rejection Rate	15.7 %

Table 1: First Pass Acceptance Results for July 2021

## 2 Trending Graphs

Trend graphs reflect the past 18 months of data.

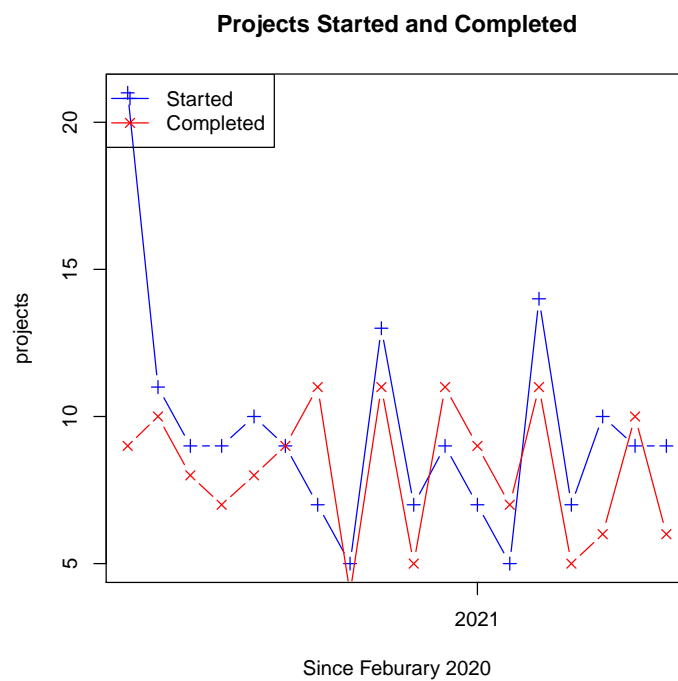


Figure 1: Projects Started and Completed

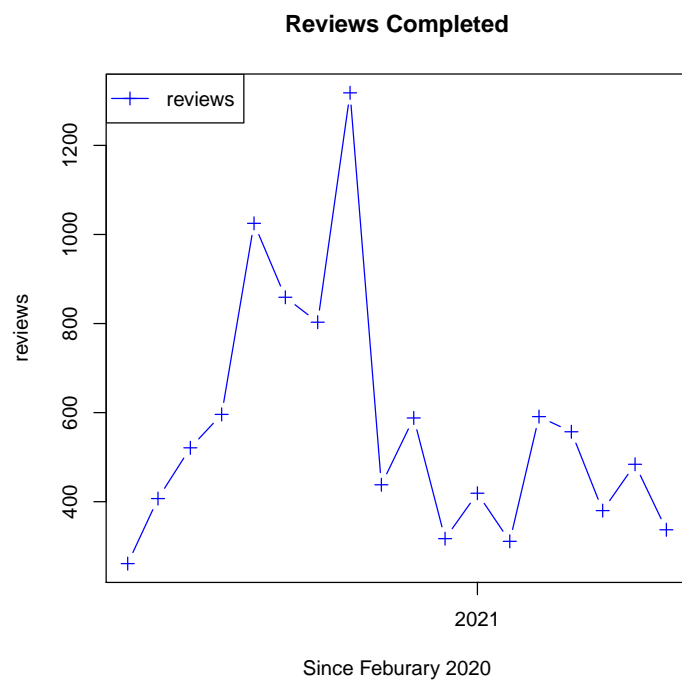


Figure 2: Reviews Completed

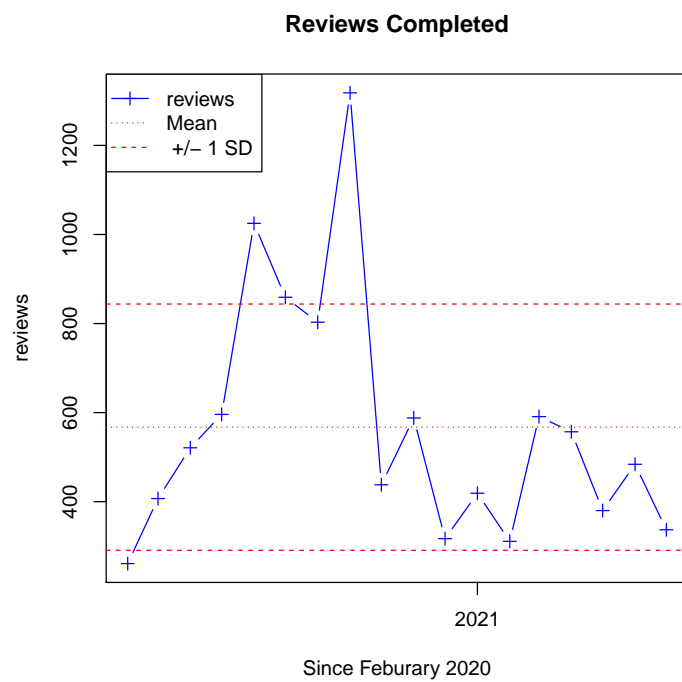


Figure 3: Reviews Completed with Control Lines

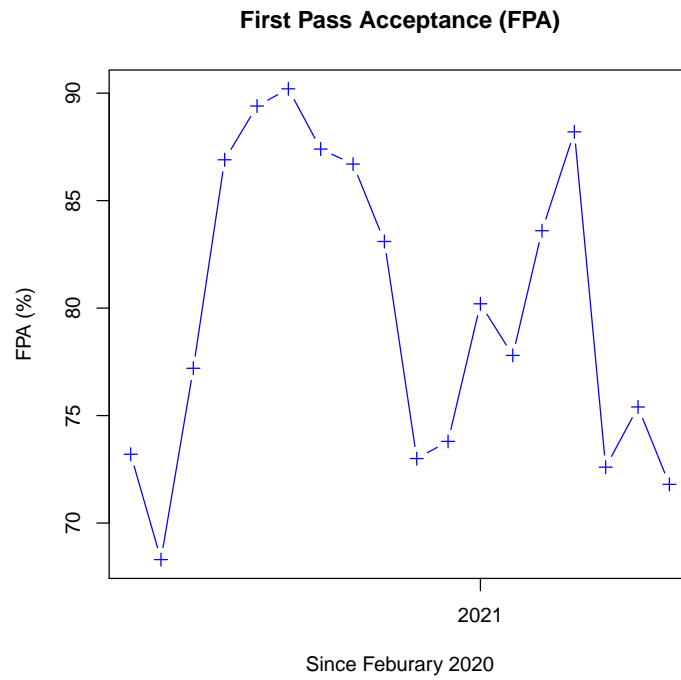


Figure 4: First Pass Acceptance

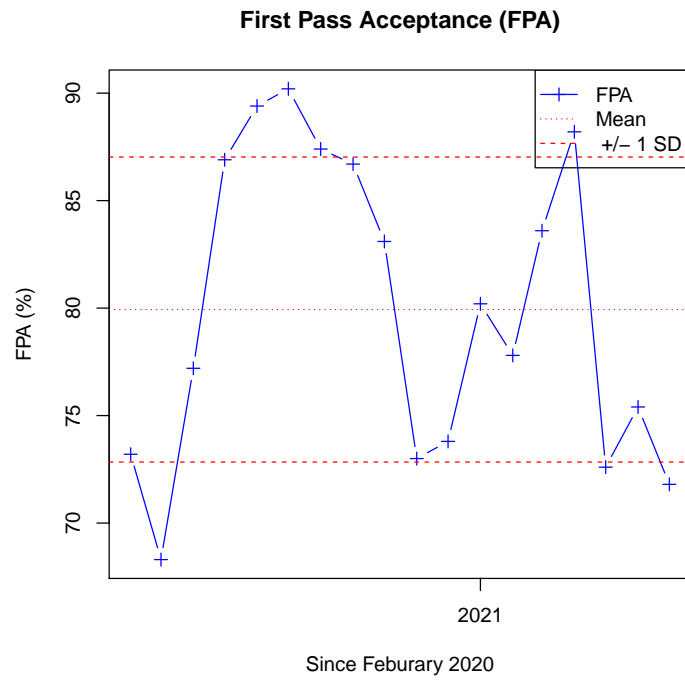


Figure 5: First Pass Acceptance with Control Lines

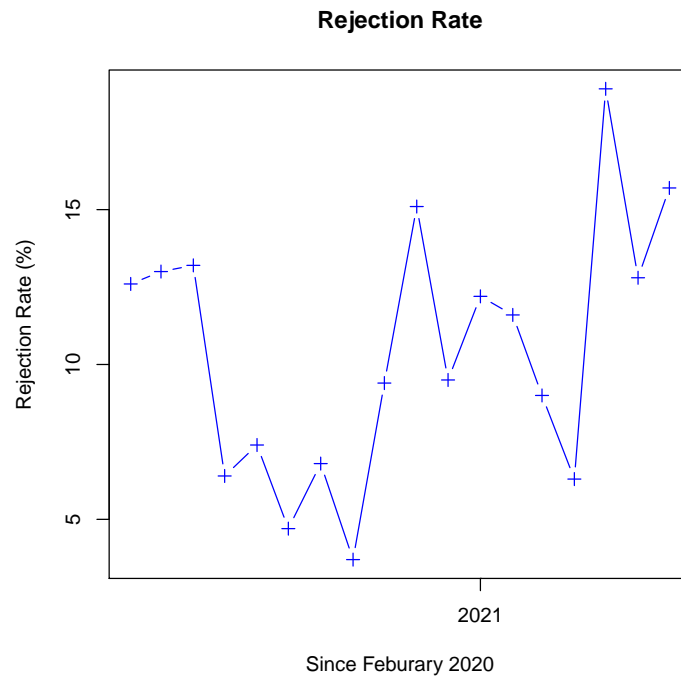


Figure 6: Rejection Rate

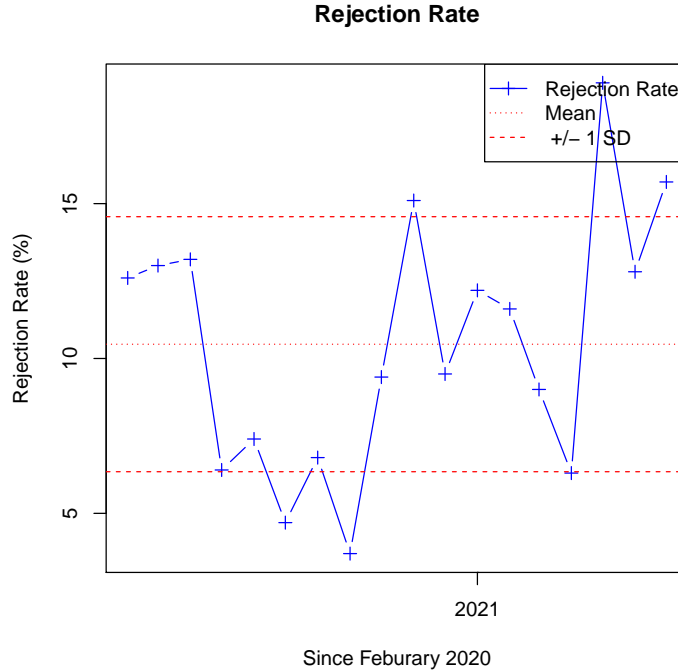


Figure 7: Rejection Rate with Control Lines

### 3 Methods

#### Data Processing

The data is processed using R<sup>3</sup>, version 3.6.2 named “Dark and Stormy Night”. The only extension (package or library) utilized is lubridate (version 1.7.10) to provide key functionality in the processing of dates.

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

#### Report Generation

This report is prepared in the R environment using a collection of packages known as Sweave that included knitr which in turn feeds the package into L<sup>A</sup>T<sub>E</sub>X 2<sub>ε</sub> a typesetting program to produce a PDF file. L<sup>A</sup>T<sub>E</sub>X 2<sub>ε</sub> is implemented in Mi<sup>T</sup>E<sub>X</sub>. L<sup>A</sup>T<sub>E</sub>X 2<sub>ε</sub> is utilizing the following packages to control style and formatting:

<sup>3</sup>RStudio is utilized as an IDE



- `amsmath`
- `amssymb`
- `array`
- `booktable`
- `datetime`
- `float`
- `graphicx`
- `hyperref`
- `tocloft`
- `utf8`
- `xcolor`