



**Open-Printing Embedded Print
(OPEP)**

Development Activities

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Evergreen
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Open-Printing Embedded Print

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Open-Printing Embedded Print – Development Activities

Evergreen

The Open-Printing Embedded Print is intended to provide a coherent print and printing architecture, Application Programming Interfaces, and software base for solution providers. This document, the Development Activities document, provides the evergreen history and list of the diverse activities for the creation of the Open-Printing Embedded Print solution. This document is intended to aid the developers, designers and architects in developing a coherent solution along with tracking the overall activity. The existence of this document does not in any respect preclude anyone, whether he or she has approved the specification or not, from using products, processes, or software not conforming to the document.

CAUTION

**THIS OPEN-PRINTING EMBEDDED PRINT DEVELOPMENT ACTIVITIES
MAY BE REVISED OR WITHDRAWN AT ANY TIME.**

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REVISION HISTORY

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2007.07.24	Glen Petrie	-none-	Original Document

Suggested Modifications:

- 1.

INTRODUCTION

This document, the Development Activities document, provides the evergreen list of the diverse activities for the creation of the Open-Printing Embedded Print (OPEP) solution. This document is intended to aid the developers, designers and architects in developing a coherent solution along with tracking the overall activity.

In general the overall OPEP activities have been broken down into top-level generic software development processes. This is further broken down in activities supporting the major architectural components of the OPEP solution. And, finally, the components activities are broken down into detailed generic software development processes. Specifically, the break down of activities is characterized by the following;

- Software Coding Specification
 - Software Coding Specification
- Software Architecture
 - Reference Model
 - High Level Architecture
 - Detailed Level Architecture
- Software Code Development
 - Print Manager
 - Job Ticket
 - .
 - .
 - .
 - Print Channel Manager
- Software Validation
- Software Release

OBJECTIVE

The objective of the Development Activities documentation is to provide an outline of what needs to be done and a history of what was done.

SOFTWARE CODING SPECIFICATIONS

SOFTWARE CODING SPECIFICATION

Objective: The objective of this activity is to create a document that outlines and defines the coding specification for all software components of the OPEP which will provide coherent among individual software component and the OPEP solution.

Approach: The approach to creating the software coding specification will be to utilize software development experience from pervious team and community software development projects to define software coding and documentation conventions.

Specification Elements: The software coding specification shall include at a minimum the following specification elements;

1. File naming convention.
2. Overall file structure and format
3. API naming and numbering convention
4. Use of project defined common data type
5. Use of project common data elements (structs, enum, define, typedef)
6. Variable naming convention
7. Program commenting convention
8. Bracket formatting convention

History:

[gwp] The document has been started. A draft will be ready for review by August 3rd.

SOFTWARE ARCHITECTURE

REFERENCE MODEL

[Although the architecture for the OPEP will be based on pervious FSG work; it is important to document, in a coherent fashion, the current OPEP activity.]

Objective:

Approach:

Reference Model Elements:

History:

HIGH LEVEL ARCHITECTURE

[Although the architecture for the OPEP will be based on pervious FSG work; it is important to document, in a coherent fashion, the current OPEP activity.]

Objective:

Approach:

High Level Architecture Elements:

History:

DETAILED ARCHITECTURE

[Although the architecture for the OPEP will be based on pervious FSG work; it is important to document, in a coherent fashion, the current OPEP activity.]

Objective:

Approach:

Detailed Architecture Elements:

History:

SOFTWARE CODE DEVELOPMENT

COMMON

Objective: The objective of this activity is to create documentation, program header files, and program code files that shall be used as the common data-types, type-definitions, enumerations, macros, and defines across all of the OPEP software development elements.

Approach: The approach to creating the common software documentation, program header files and program code files will be to utilize software development experience from pervious platform independent development projects and large multi-module software development projects.

Common Elements: The common software components shall include at a minimum the following;

1. Basic Data Types
2. Memory Function Pointer Definitions
3. Basic Data Structures
4. Basic State Types
5. Global Solution Error Values
6. Basic Macro Definitions
7. Basic Print Structures, enumerations and type-definitions
8. Basic Job Structures, enumerations and type-definitions
9. Basic Document Structures, enumerations and type-definitions
10. Basic Page Structures, enumerations and type-definitions
11. [*You get the idea.*]

History:

[gwp] Some documents has been started. A draft will be ready for review by August 3rd.

JOB TICKET

Objective: .

Approach: .

Job Ticket Elements:

History:

PRINT MANAGER

Objective: .

Approach: .

Print Manager Elements:

History:

PRINT CHANNEL MANAGER

Objective: .

Approach: .

Print Manager Elements:

History:

Etc.



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End of Document

