

| **PROJECT TITLE:** | **X-Wings X1 Head Up Display (HUD) System** |
| --- | --- |
| **DOCUMENT NAME:** | **HUD Software Development Plan** |
| **Document ID.** | **000002-00** |
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| **Classification:** | **Unclassified** |

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**This page contains the instructions on how to create an SDP (Software Development Description) and shall be removed on the final version.**

• This template is recommended for documents to be archived in the PLM (Project Life Cycle software).

• When converting to PDF format, PLM automatically includes a cover page with document status and confirmation of approvals.

• Documents for PLM should start on page 2 (already considered on this template) since PLM PDF includes its own cover page which is considered page number 1. Therefore, the table of contents should be consistent.

• The footer included automatically on the PLM PDF format contains the document status, ID, revision and page number.

• To include Notes in the footer, use the Foot Note option (on References Tab).

• List of Changes table: It’s recommended to include also the first revision (-- for Release) of the document with the responsible for the preparation, since sometimes it’s different from the owner in the PLM.

• Program name information may be omitted when this software is intended to be used in different programs.

**This document is a template for the Version Description Document.**

• The text in blue color is an explanation and should be removed from the final document.

• The text written in *italic blue* color is a parameter, which should be replaced by the actual one in the final document.

• The text written in *italic green* color is an example whose purpose is to clarify the explanation, and should be used as recommendation only.

• The text written in black color is considered as recommended text and may be used in order to provide clear statements as per the subject of the said section.

List of Changes

| Section | Change Description | REV |
| --- | --- | --- |
| XX | First release of Software Development Plan (SDP) | XX |
|  |  |  |

List of TBDs

| TBD Number | Reference |
| --- | --- |
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Adicione títulos (Formatar > Estilos de parágrafo) e eles vão aparecer no seu sumário.

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### LIST OF FIGURES

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## INTRODUCTION

### Objectives and Scope

To define stages, activities, development products, tools and methods required in the software development process.

This document provides the planning data defined in DO-178C, Section 11.2. The certification authority uses the SDP for a project as a description of the software development procedures and software life cycle(s) to be used to satisfy the software development process objectives.

Therefore, this document explains how the software development scope of the project <Name of the Project> are satisfied, including: Software requirements, design, model, and coding standards. Description of the software life cycle processes. Description of the software development environment. The purpose of the SDP is to describe the software development process for the project <Project>. This document provides the planning data defined in [DO-178C] Section 11.2 and [DO-331] Section MB.11.2, respectively.

### Identification

| System Name | – | HUD (Head Up Display) |
| --- | --- | --- |
| System Abbreviation | – | HUD |
| Document Id. | – | 000001-00 |

### Document Overview

| System Name | – | HUD (Head Up Display) |
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| System Abbreviation | – | HUD |
| Document Id. | – | 000002-00 |

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### List of Abbreviations

|  |  |
| --- | --- |
|  |  |
| HUD | Head Up Display |
|  |  |

## Applicable documents

### Regulation and Standards

| Document Id. | Document Name |
| --- | --- |
| RTCA/DO-178C | SOFTWARE CONSIDERATIONS IN AIRBORNE SYSTEMS AND EQUIPMENT CERTIFICATION – DECEMBER 1, 1992 |
| EUROCAE ED-76 / RTCA DO-200A | Standards for Processing Aeronautical Data, September 28, 1998 |

### Project Documents

| Document Id. | Document Name |
| --- | --- |
| 000002-00 | SDP - Software Development Plan |
| 000003-00 | SQAP - Software Quality Assurance Plan |
| 000004-00 | SVP - Software Verification Plan |
| 000005-00 | SCMP - Software Configuration Management Plan |
| 000006-00 | TQP - Tool Qualification Plan |

### Vendor Documents

| Document Id. | Document Name |
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## Standards

### Software Requirements Standards