

## 1. INTRODUCTION

This document outlines the JPALS SRGPS Specification Tree, describes the documents being released and their schedule for release.

Figure 1 contains the JPALS SRGPS Specification Tree.

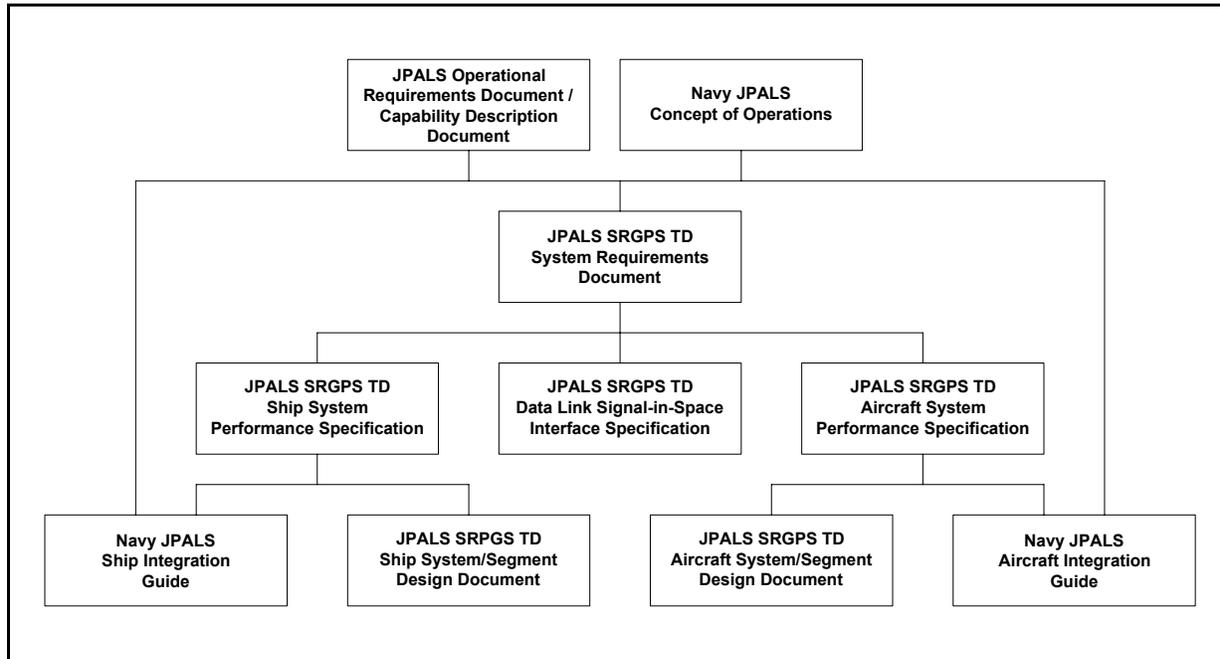


Figure 1. JPALS SRGPS Specification Tree

## 2. DOCUMENT DEFINITION

- The JPALS SRGPS Technology Development (TD) System Requirements Document (SRD) collects all of the core SRGPS requirements from the ORD/CDD and CONOPS and provides traceability. Specific platform requirements are allocated to the air and ship integration guides.
- The JPALS SRGPS TD Aircraft System Performance Specification allocates the core SRGPS requirements from the SRD to the aircraft, allocates the requirements to the various functions on the aircraft and provides traceability to the SRD.
- The JPALS SRGPS TD Ship System Performance Specification allocates the core SRGPS requirements from the SRD to the ship, allocates the requirements to the various functions on the ship and provides traceability to the SRD.
- The JPALS SRGPS TD Data Link Signal-In-Space Interface Specification allocates the requirements from the SRD to the Data Link. It shall identify the message structure, transmission characteristics (including transmission rates, general content, and usage). This specification provides traceability to the SRD.
- The Navy JPALS Aircraft Integration Guide covers non-core SRGPS requirements from the ORD/CDD and CONOPS that are not allocated to the SRD but are required to perform the operations identified in the ORD/CDD. It also includes core SRGPS implementation guidance based on the requirements defined in the Aircraft System Performance Specification.

- The Navy JPALS Ship Integration Guide covers non-core SRGPS requirements from the ORD/CDD and CONOPS that are not allocated to the SRD but are required to perform the operations identified in the ORD/CDD. It also includes core SRGPS implementation guidance based on the requirements defined in the Ship System Performance Specification.
- The JPALS SRGPS TD Aircraft System/Segment Design Document provides a candidate architecture for an aircraft. This architecture is meant to be a representative architecture to help the airframe integrator implement JPALS. This document will provide further allocation of requirements to the hardware and software levels as appropriate. Traceability shall be to the Aircraft System Performance Specification.
- The JPALS SRGPS TD Ship System/Segment Design Document provides a candidate architecture for a ship. This architecture is meant to be a representative architecture to help the shipboard integrator implement JPALS. This document will provide further allocation of requirements to the hardware and software levels as appropriate. Traceability shall be to the Ship System Performance Specification.

### 3. SPECIFICATION RELEASE SCHEDULE

Table 1 contains the projected release schedule for JPALS SRGPS documentation.

Table 1. JPALS SRGPS Documentation Release Schedule

Name	Initial Release	First Update	Second Update	Final Release
Shipboard Relative Global Positioning System (SRGPS) System Requirements Document (SRD)	October 03	May 04	January 05	May 05
SRGPS Data Link Signal in Space Interface Specification	October 03	May 04	January 05	May 05
SRGPS Ship System Performance Specification	October 03	May 04	January 05	May 05
SRGPS Aircraft System Performance Specification	October 03	May 04	January 05	May 05
Navy JPALS Aircraft Integration Guide	November 03	May 04		May 05
Navy JPALS Shipboard Integration Guide	May 04		January 05	May 05
SRGPS Concept of Operations	November 03			October 04
SRGPS Ship System/ Segment Design Document (SSDD)	January 05			May 05
SRGPS Aircraft System/ Segment Design Document	January 05			May 05

#### **4. FEEDBACK**

Any comments to these specifications should be addressed to the following points of contact:

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