



— Your gateway to defence documentation

ISSUE #01 · THIS WEEK'S TOPIC

JSS 0251 & JSG 0852: Two Military Standards Every Defence Manufacturer Must Know

Published by India's Directorate of Standardisation, Ministry of Defence — these two standards govern how technical documentation and interactive manuals must be delivered by every OEM supplying to the Indian Armed Forces.

JSS 0251-01:2015

JOINT SERVICES SPECIFICATION

What it covers:

- 📄 Design Specifications
- 📖 User Handbooks (UHB)
- 🔧 Technical Manuals (TM)
- 📦 Packing Specifications
- 🔧 Engineering Support Packages
- 📋 List of Components & Spares

Applies to:

Electronics & Electrical Equipment OEMs

JSG 0852:2019

JOINT SERVICES GUIDE · 2nd REVISION

What it covers:

- 💻 IETM Classes I to V
- 🗄️ IETM Database (IETMDB)
- ✅ Quality Assurance Programme
- 🔄 Version Management
- 🌐 Browser-based WYSIWYG IETM
- 🕶️ AR, VR & 3D Integration

Applies to:

All Defence OEMs supplying IETMs



DID YOU KNOW?

Every RFQ and Purchase Order from Indian defence organisations specifies which JSS/JSG standard applies. Non-compliant documentation results in **rejected submissions**. JSG 0852 alone covers 5 classes of IETM, from simple indexed pages (Class I) to fully integrated AI-driven databases (Class V).

How Milicode Defence Solutions Helps

- ✦ JSS 0251 compliant tech publications
- ✦ JSG 0852 IETM Class III–V development
- ✦ IETMDB construction & management
- ✦ Legacy doc conversion to JSS format
- ✦ QA programme compliance support
- ✦ End-to-end compliance consulting

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#JSS0251 #JSG0852 #IETM #DefenceStandards #MakeInIndia #TechDocumentation #MilicodeDefence
#IndiaDefence #OEM #AerospaceDocs

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ISSUE #01 · DEFENCE STANDARDS KNOWLEDGE BRIEF

JSS 0251 & JSG 0852: Two Military Standards Every Indian Defence Manufacturer Must Know

Issued by India's Directorate of Standardisation (DoS), Ministry of Defence — compliance with these standards is mandatory for every OEM, startup, and supplier delivering equipment or documentation to India's Armed Forces, DRDO, or defence PSUs.

Dear Defence Community,

Whether you are an established defence OEM, a startup entering the iDEX ecosystem, or an engineering firm bidding for defence contracts — two standards will appear in virtually every RFQ and Purchase Order you receive from Indian defence organisations: **JSS 0251-01:2015** and **JSG 0852:2019**. Ignoring them is not an option. Here is everything you need to know.

JSS 0251 01:2015 Rev.2

Joint Services Specification on Technical Publications

The JSS 0251-01:2015 is the primary Indian defence standard that governs how technical publications must be prepared and produced for electronic and electrical equipment supplied by OEMs. It ensures that every manufacturer — whether delivering a radar system, missile subsystem, or ground support equipment — submits documentation in a uniform, standardised format that defence users across Army, Navy, and Air Force can readily understand and use.

What JSS 0251 Mandates OEMs to Deliver

Design Specification

Technical characteristics of the equipment and its sub-assemblies

User Handbook (UHB)

Operating instructions for the end user — Army, Navy, or Air Force personnel

Technical Manual (TM)

Maintenance and servicing procedures; complex systems may need one TM per subsystem

Engineering Support Package

Complete lifecycle support documentation for the equipment

Packing Specifications

Preservation, packaging, and labelling requirements per defence standards

Lists: Components, Spares & Tools

Complete inventories of parts, carried spares, special tools, and test equipment

Key Compliance Requirement

JSS 0251 specifies even the physical formatting: text in black ink, safety warnings in red, paper of 80 GSM or more, and a defined sequence of content sections from cover page to record of changes. Imported equipment

documentation must also be converted to JSS-compliant format before submission.

JSG 0852
2019 Rev.2

Joint Services Guide on Interactive Electronic Technical Manuals (IETM)

JSG 0852:2019 is India's definitive standard for Interactive Electronic Technical Manuals. Approved by the Ministry of Defence for use by all Defence Services, Defence PSUs, and R&D organisations, it defines how IETMs must be classified, structured, built, tested, and delivered. The second revision (2019) also incorporates cutting-edge technologies including Augmented Reality, Virtual Reality, and 3D IETM integration.

JSG 0852: Five Classes of IETM

Class	Type	Key Feature
Class I	Electronically Indexed Pages	Scanned bitmap pages with intelligent index — simplest form
Class II	Electronically Scrolling Documents	Digital text with hyperlinks, hotspot navigation
Class III	Linearly Structured IETM	Dialogue-driven interaction, simultaneous text & graphics
Class IV ★	Hierarchically Structured IETM	Recommended for Indian Defence — fully attributed database, XML-based
Class V	Integrated Database	Expert system, AI-driven, simultaneous multi-source access

NEW What's New in JSG 0852:2019 (Second Revision)



Augmented Reality
AR overlays for maintenance procedures & training



Virtual Reality
VR-based safe training environments for technicians



3D IETM
Interactive 3D models, exploded views & animations

⚠ Why Every Defence Manufacturer & Startup Must Act Now

Under India's **Make in India** and **iDEX** initiatives, thousands of private firms and startups are entering the defence sector. However, documentation non-compliance remains one of the most common reasons for contract rejections. JSS 0251 and JSG 0852 are not optional guidelines — they are **mandatory requirements** specified in every defence procurement document. Building compliance from day one saves time, reduces rework costs, and protects your reputation with defence clients like DRDO, BEL, BDL, and the Armed Forces.

How Milicode Defence Solutions Ensures Your Compliance

◆ **JSS 0251 Compliant Publications**
Full suite of technical publications — UHB, TM, ESP, design specs — in prescribed format

◆ **JSG 0852 IETM Development**
Class III to Class V IETM — from structured XML to fully interactive hierarchical databases

♦ IETMDB Construction

Building and managing your IETM database with full lifecycle support and version control

♦ Legacy Document Conversion

Convert paper manuals or non-compliant docs to JSS 0251 and JSG 0852 formats

♦ QA Programme Support

End-to-end QAPP preparation, validation planning, and IETM acceptance test support

♦ Expert Consultancy

XML specialists, technical authors & instructional designers with deep defence domain expertise

Talk to Our Experts →

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Next week we'll cover: **What is DITA and why structured content authoring is the future of defence documentation.**
Stay tuned!



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#JSS0251 #JSG0852 #IETM #DefenceStandards #MakeInIndia #DefenceTech #MilicodeDefence #CBT
#IndiaAerospace

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