[bss-openc5isr] 01 Platform Overview

Mission, product story, capabilities, workflows, differentiators and audience. Edition: BSS — OpenC5ISR (openc5isr.bss.dev).

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- Platform
  - Platform Overview
  - Operational Workflow
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- Distribution Evidence
  - Distribution Profile
  - Evidence and Confidence

Start Here

Start Here

Field	Value
Distribution	BSS — OpenC5ISR
Product	OpenC5ISR
Release	0.15.1
Deployment	`openc5isr.bss.dev`
Source	`/srv/bss/releases/OpenC5ISR-v0.15.0-20app`
Evidence	Documentation structure and release scan
Source fingerprint	`93926e8c834f1ed79c9017a4096f70c76d73ce4f870f104fbd0cf54b2bed50ee`
Status	Generated baseline — human review required

> **Verification boundary:** This page combines platform design guidance with static evidence from the release. It does not prove that every detected interface is enabled, reachable, secure, or operational in the deployed environment.

Purpose

This book explains what the distribution is, the operational problem it addresses, how its capabilities fit together, and what was actually observed in the inspected release.

Contents

Section	What it contains
Platform	Mission, value, workflow and capability map.

Section	What it contains
Distribution Evidence	What was found in this release and how confident the generator is.

How to maintain this book

Generated sections are replaced from release evidence on each run. Put reviewed corrections, deployment-specific facts, links and decisions in the Maintainer Notes area below the generated block. Mark pages as reviewed only after testing them against the named distribution and release.

Maintainer Notes

Add human-reviewed deployment notes, corrections, decisions, screenshots, and links here. Content outside the generated block is preserved on future runs.

Platform

Managed documentation for Platform.

Platform Overview

Platform Overview

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Product	OpenC5ISR
Release	0.15.1
Deployment	`openc5isr.bss.dev`
Source	`/srv/bss/releases/OpenC5ISR-v0.15.0-20app`
Evidence	Static release scan
Source fingerprint	`93926e8c834f1ed79c9017a4096f70c76d73ce4f870f104fbd0cf54b2bed50ee`
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Mission

OpenC5ISR is an open, modular operational technology platform intended to connect sensing, data, semantic knowledge, collaboration, command-and-control, analytics, automation and effects without forcing every capability into one monolithic application.

Core design idea

The platform treats meaning, time, source, identity and correlation as first-class operational context. OpenBus provides exchange; OpenKnowledge provides shared meaning; domain modules can then collect, exploit, associate, share, collaborate, task and preserve information through common patterns.

Release evidence summary

Measure	Observed
Files inventoried	1386
Text files inspected	1005
Detected components	23
REST/interface candidates	11
WebSocket candidates	8
Environment variables	244
Languages	PHP, JavaScript, Python, C, Shell, C++
Framework indicators	—

Operational value

- Integrate heterogeneous sensors, services and user workflows through explicit interfaces instead of one-off stovepipes.
- Use semantic types and relationships to guide analytics, automation and AI instead of relying only on unconstrained language-model inference.
- Process data at the edge and exchange the operational result, reducing bandwidth and decision latency.
- Keep components independently deployable so a customer can adopt the capabilities it needs and integrate them with existing systems.

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Operational Workflow

Operational Workflow

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Reference workflow

Step	Action	Outcome
1	Collect	Acquire observations, messages, tracks, files, imagery, video, spectrum and telemetry.
2	Exploit	Extract useful features, metadata and operational signals at the source or edge.

Step	Action	Outcome
3	Associate	Relate observations to entities, locations, missions, cases, tasks and prior evidence.
4	Share	Publish governed information through OpenBus, APIs, files and collaboration services.
5	Collaborate	Build shared understanding through COP, chat, annotations, knowledge and reviews.
6	Task	Convert understanding into assigned, acknowledged, executing and completed work.
7	Preserve	Retain evidence, provenance, decisions and replayable operational history.

Why this matters

The workflow is deliberately cross-application. A sensor product should not terminate at a viewer; it should be associable with a track, shareable with a release group, usable as evidence, able to trigger analytics, and convertible into a task. The platform is strongest when these transitions are explicit and auditable.

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Capability Map

Capability Map

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Evidence	Static release scan
Source fingerprint	`93926e8c834f1ed79c9017a4096f70c76d73ce4f870f104fbd0cf54b2bed50ee`
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Capability families

Family	Components and scan status
Foundation & Data	OpenBus (detected), OpenKnowledge (detected), OpenData (detected), OpenPNT (detected), OpenFiles (detected)
Command, Control & Collaboration	OpenCOP (detected), OpenTrack (detected), OpenTask (detected), OpenChat (detected), OpenEyes (detected), OpenMail (detected)

Family	Components and scan status
Sensors & Spectrum	OpenRF (detected), OpenSSA (detected), OpenISAC (detected)
Analytics & AI	OpenAnalytics (detected), OpenLLM (detected), OpenDAA (detected)
Networks & Simulation	OpenNetworks (detected), OpenLVC (detected), OpenAAR-MR (detected)
Investigation & Security	OpenIIA (detected), OpenCyberSec (detected), AEGIS-SENTINEL (detected)

Interpretation

“Detected” means the scanner found release-file evidence using names, paths or content. “Not detected” does not prove absence: a capability may be external, injected at deployment time, renamed, generated, or inaccessible to the scan. Component pages therefore distinguish catalog intent from release evidence.

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Distribution Evidence

Managed documentation for Distribution Evidence.

Distribution Profile

Distribution Profile

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Release	0.15.1
Deployment	`openc5isr.bss.dev`
Source	`/srv/bss/releases/OpenC5ISR-v0.15.0-20app`
Evidence	Static release scan
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Edition identity

Property	Value
Edition code	`bss-openc5isr`
Organization	BSS
Product brand	OpenC5ISR
Primary deployment	`openc5isr.bss.dev`
Documentation language	en

Property	Value
Release source	`/srv/bss/releases/OpenC5ISR-v0.15.0-20app`
Source fingerprint	`93926e8c834f1ed79c9017a4096f70c76d73ce4f870f104fbd0cf54b2bed50ee`

Edition boundary

This edition is maintained independently. URLs, service names, environment variables, branding, included modules, language and release history must be verified here rather than copied blindly from another OpenC5ISR/OpenSOF distribution.

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Evidence and Confidence

Evidence and Confidence

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Deployment	`openc5isr.bss.dev`
Source	`/srv/bss/releases/OpenC5ISR-v0.15.0-20app`
Evidence	Generator methodology
Source fingerprint	`93926e8c834f1ed79c9017a4096f70c76d73ce4f870f104fbd0cf54b2bed50ee`
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Evidence classes

Class	Meaning
Catalog baseline	Product intent supplied by the maintained component catalog.
Static release evidence	Names, routes, configuration, manifests and declarations found in readable files.
Host evidence	Relevant readable systemd and Nginx configuration found on the machine.

Class	Meaning
Runtime verification	A test executed against the live deployment. This generator does not perform it automatically.

Known limitations

- This is static evidence extracted from files and readable host configuration; it is not runtime certification.
- Dynamic routes, generated configuration, secrets stores, databases, and inaccessible files may not appear.
- Potential credentials are intentionally redacted and raw source content is not copied into the report.

Review rule

Do not turn a candidate route, service or component into an authoritative promise until it has been exercised in the named release. Record the command, expected result, actual result, date and reviewer in Maintainer Notes or the relevant acceptance-test page.

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