

# CASCADE

## SYSTEM RELEASE V1.0

LAND MOBILE RADIO – PRODUCT RELEASE NOTES



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## Overview

Codan Communications is proud to announce the first formal release of the Codan Cascade infrastructure platform.

This initial release makes Codan Cascade equipment available for early adoption with limited supported capability; future updates will introduce full conventional capabilities including mixed mode support and networked operation.

## What's New

### Hardware Features

- Introduction of all Codan Cascade hardware, including VHF Band (148-174 MHz) transceiver and 100W RF Power Amplifier modules.
- Single 100W transceiver + PA in a single 4RU shelf.

### Software Features

- Graphical User Interface (GUI) accessible via standard web browsers providing remote IP access to the following:
  - Configuration of radio channel and system functionality settings.
  - Equipment alarms, alerts and live status metrics.
  - Updating of equipment software and firmware.
- Built in Bit Error Rate testing capability.

### Performance and Functional Features

- P25-compliant digital-only standalone (non-networked) repeater operation.
- Generation of Automated Station Identification signalling (CWID).

### Availability

Hardware and Software included in this first release will ship standard on all Codan Cascade equipment.

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Product Release Notes



## Version Information

Product	Software/ Firmware Bundle Version	Hardware Version
All Programmable Elements	1.0.46	
CASC-TR-01-165		Digital Board – rev.04 RF Hardware – rev.04
CASC-PA-00-165		Digital Board – rev.03 Driver Hardware – rev.04 PA Hardware – rev.02
CASC-PS-48-012		Board – rev.04
CASC-SR-00-001		Board – rev.02
CASC-FP-00-001		Board – rev.03

## Compatibility

- The Codan Cascade System Release v1.0 product is compatible with other Codan Communications LMR equipment via the Common Air Interface (CAI).
- All standard (non-proprietary) functions on P25 compliant third party VHF digital communications equipment is supported, as per the TIA standard.