



GOES DCS Program Updates

Letecia Reeves, GOES DCS Customer Service Lead

Valerie Randall, SID/SSAI-GOES DCS Customer Service Support

GOES DCS Transmitters Status

DCP Status	100 Baud	300 Baud	1200 Baud	Totals
Active DCPs	11	27,865	465	28,341
Inactive DCPs	9	7,775	596	8,380
Unused DCPs		2,336	275	2,611
Totals	20	37,976	1,336	39,332

Note: Stats do not include the parked channel (-1).

What determines the status of the DCP?

A: System received data transmissions w/in 2 days.

D: No data transmission received in 2 days.

U: No data transmissions ever received from ID assigned to specific channel and timeslot.

Certification Standard 2 (CS2) Transition Status

	300 Baud	1200 Baud	Totals
CS2 Transmitters	13,784	102	13,886

- Great progress on transition: 2,880 more CS2 platforms transmitting since last March. Almost ½ of total platforms are CS2.
- Have created 3 CS2 1200 baud channels
- Microcom have been tasked to conduct a channel optimization plan that will help us to develop a plan forward for creating additional channels as more CS2 populate our system.

CS2 Transition Status (cont)

- It is not necessary for ALL transmitters on adjacent channels to be CS2 before creating another channel.
 - For example: If there are two adjacent channels with the first half containing only CS2 transmitters, another channel can be created using only the 1st half until the remainder of each channel only have CS2 transmitters.

Assignment Policies

- GOES DCS Transmitter Standard is HDR CS2
- Standard Transmission Rate is 300 bps
- The Current Standard Window is 5 or 10 seconds.
- Standard Transmission Period is 1 hour w/the following exceptions...
 - Users with strong justification for faster transmissions may be granted more frequent transmissions.
 - Users with Tide Gages being used for Tsunami Monitoring are transmitting every 5 minutes
 - Users in some flash flood prone and burn scar areas are granted every 30 minutes or every 15 minutes

Assignment Policies

(Continued)

- The key to optimize transmissions is efficient system use
 - Compression whenever possible (Pseudo Binary)
 - Don't send redundant information
 - Try not to send messages in ASCII
- Only CS2 transmitters should be deployed.
- All 100 bps transmitters should be decommissioned.
- All Random transmissions currently set to transmit at 100 baud should be reprogrammed ASAP for 300 baud.
- All version 1 transmitters must be upgraded by May 31, 2026.

SUA Statistics

Country	Number of SUAs
Canada	67
Caribbean	20
South America	80
United States	283
Other (Australia, Central America, Europe & Mexico)	25

SUA Statistics

Total number of active SUA's	477
Number of Manufacturers with SUA's	25
Number of SUA's approved from March 2018 - March 2019	108
Number of DADDS Users	2039