6 Upgrading the Groomer Cards

Note: This could cause a minor on air hit. It is recommended that you upgrade one groomer at a time, starting with Groomer B. It may be prudent, although not necessary, to patch around the system depending on your broadcast chain.

Note: In normal operation, both groomers must be running the same firmware version. It is not recommended or supported to run diferent versions of firmware on each groomer.

6.1 Procedure (for ASI Internal Failover Configuration)

- 1. Download the firmware version received and place it on the hard drive (or other storage device) of the PC used to log in to the D2WARN system.
- 2. Log in to Groomer B and go to the Firmware page.

👥 D2Manage	🗙 🔮 D2Manage	× 🕏 AG2600	🗙 🍠 AG2600	× +	- 🗆 ×	
← → C 🔇 19	2.168.2.206/firmware/				0 :	
= D2MANAC	Groomer-B openGear Slot II): 10			admin + D2D	
NAVIGATION	Firmware Update					
 D2WARN Configuration 	Serial Number 40071					
ਲੂ System Settings	Firmware Build Date					
e Firmware	2020-09-01_09-10-11					
Loga	FPGA Version					
+ Features	08/03/2020 20:05:45					
Support	Latest Update Firmware Result Firmware: d2mux3k_og_update-2020-09-01_09	10-11.en. Success			\bigcirc	
(Upload Firmware				Browse	

Figure 6-1. Firmware Page

- 3. Browse to the firmware file received (d2mux3k_og_update-xxxx-xx_xx-xx_xx.xx).
- 4. Click Upload
- 5. When the upload is finished, click Yes to restart the unit.

Reset Unit	×
File was successfully uploaded. Would you like to reset this unit?	
	\frown

No

Yes

- 6. Log back into Groomer B and check that there are no alarms.
- 7. Log in to Groomer A and place groomer A in bypass mode. This will force failover to groomer B after a delay of about 30 seconds.
- 8. Check that Groomer B is inserting by viewing Groomer B's GUI, **D2WARN Status** page. Groomer B's status will indicate: **Alert Message Inserting Degraded** in yellow.

= D2MANAC	GE Groomer-B openGear Slo	t ID: 10				020
HAVIGATION	D2WARN Status					
D2WARN Status D2WARN Configuration	Internal Temperature:	: Internal Temperature: 67,55 C 🕢	erature: 67.55 C 🖸 Uptime: 13 Days 19:50:34			
📸 System Settings	Groomer-A Status: Bypass Mode - Alert Me	Groomer-B Status: Alart Message Incor	Groomer-B Status: Alert Message Inserting Degraded			
 Firmware Logs 	Broadcast Input 🛛	Broadcast Output 😧	Broadcast Input	Br	roadcast Output 🛛	
+ Features O Support	Input from Satellite Receiver 🚱	Satellite Receiver Alert Message Heartbeat €	19.393 Migs	19.395 Mbps Satellite Receiver Alert Message Heartbeat •		0
	Diar Syna:	1306	0.009 96.154 Mtps Revert Back to Primary Groomer	66.846	214	
	Last Alert Message: NONE	Eance Q	Last Alert Message: NONE			
	Groomer Pair Communications: 🕑	Power Supply 1:	Satellite RX Communications: 🚱	● Fi	ins: O	•
	openGear Communications: 🚱	Power Supply 2: 😧	Groomer Pair Communications:	• Po	ower Supply 1: 😧	•
	Alert Message Buffer Overflow: 🛛	 Alert Message Format: Ø 	openGear Communications:	• Pc	ower Supply 2: 0	-
	Video PID Available for Inserting: O	 Alert Message in Primary Broadcast; Ø 	Alert Message Buffer Overflow: Video PID Available for Inserting:	ia • ia •	ert Message Format: 😡 Iert Message in Primary Broadcast: 🖗	•

Figure 6-2. Groomer B's GUI, D2WARN Status Page

Note: Because Groomer A is in bypass mode, you must log in to Groomer B's GUI to see the status of both groomers. Also, there will be a Groomer Pair Communications alarm.

- 9. Upgrade groomer A (using steps 3 through 5, above). Allow groomer A to reset.
- 10. Log in and take Groomer A out of bypass. Check that there are no alarms.
- 11. Click Revert back to Primary Groomer using groomer B's GUI.