

NBCUniversal

5G TRANSITION

UPDATED TECH SHEET ATTACHED

**GALAXY 14/4 NETWORKS WILL BE
TRANSITIONING TO GALAXY 18/19**

**TRANSITION START FEBURARY 16TH
@ 9 AM ET**

**TRANSITION END APRIL 28TH @ 6 PM
ET**

**GALAXY 14/4 SIGNAL TO BE
TERMINATED MAY 2ND**

**GOLF HD, NBCSN HD, E! West,
UniversalKids West, Telemundo Cable
West SD as well as TVOne HD**

**Note - if you are downconverting any HD
feed for SD distribution using a satellite**

IRD, that will need to be transitioned as well.

**TECH SHEET FOR G-18/19
ATTACHED**

ONLY DOWNLINK COORDINATES ARE CHANGING, ALL OTHER CHANNEL PARAMETERS WILL REMAIN THE SAME

PLEASE REPLY TO AFFILIATE.BROADCAST.OPERATIONS@NBCUNI.COM WITH ANY QUESTIONS AND/OR ONCE THE MIGRATION HAS BEEN COMPLETED

DUE TO COVID – OUR HOTLINE GOES TO VOICEMAIL BUT WILL BE ANSWERED AS ABLE

PARAMENTERS THAT WILL CHANGE TO BE UPDATED IN THE IRD

- **NEW NETID: 428**
- **NEW DOWNLINK FREQUENCY – 4.08 GHz (4080 MHz); L-band will auto-calculate to 1.07 GHz (1070 MHz)**
- **NEW SATELLITE (AS SHOULD BE LISTED IN THE IRD): GALAXY 10R (this should populate the new orbital position in the**

IRD – Galaxy 18 does not exist in the IRD LCD menus)

- **NEW ORBITAL POSITION: 123 W**
- **VERIFY TUNE MODE IS IN AUTO**
- Parameters can be changed in the Main Menu – Setup - TS Input – Input – RF Menu. Up arrow to get to the parameters that require changing
 - Please note, on the D9800 – the Tune Mode and NETID are NOT under RF, but under “Main Menu – Setup - TS Input – Input - Tune Mode”
 - In the WebGUI – the Tune Mode is called “Acquisition Mode” and both Acquisition Mode and Network ID are in the SI Receive Setup under Input Setup

NBCUniversal Affiliate & Digital Transmission Operations Team will be in place throughout this process to assist you with any questions or concerns you may have regarding the transition or IRD provisioning.

Thank you for your cooperation and support as we initiate this upgrade in order to continue to provide the highest quality service and signal for NBCUniversal Networks.

Affiliate & Digital Transmission Operations

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Global Media Operations
delivering **NBCUniversal**

Distribution Support

Galaxy 18 Transponder 19 Technical Parameters

Satellite:	Galaxy 18
Orbital Location:	123 Degrees West
Downlink:	4080.00 MHz
L-band Frequency:	1070.00 MHz
Transponder:	19
Transponder Downlink Polarization:	Vertical
Symbol Rate:	30.0000 Msps
FEC:	Auto (5/6)
Variable Bit Rate Range (all services):	2 Mbps – 17 Mbps
IRD Type:	Cisco PowerVu Model D9859/D9858/D9854/D9824/D9800 Addressable/Encrypted
HD Compression:	MPEG-4/DVB-S2 8PSK Compliant
SD Compression:	MPEG-2/DVB-S2 8PSK Compliant
HD to SD Downconversion - (CVBS/Transcoded Output):	A/R Conversion: 4:3 Auto AFD
Program Video & Audio	Refer to table below (on page 2)
Network ID:	428
Cue Triggers:	Yes, SCTE 35, DTMF
Pre-roll:	8 seconds
Local Avail ON:	Yes

AUTHORIZATION & TECHNICAL ASSISTANCE

NBCU Distribution Support

201-735-3700

Galaxy 18 Transponder 19 Technical Parameters

(Cont'd)

Virtual Channel Assignments

Golf HD		NBCSN HD		NBCSN HD Alt1		Golf HD Alt	
Virtual Channel 10		Virtual Channel 11		Virtual Channel 12		Virtual Channel 13	
PID	Value	PID	Value	PID	Value	PID	Value
Video	110	Video	1110	Video	210	Video	410
Audio 1	102	Audio 1	1102	Audio 1	200	Audio 1	402
Audio 2	104	Audio 2	1104	Audio 2	202	Audio 2	404
DPI	140	DPI	1140	DPI	240	DPI	440
DTMF Start	121*	DTMF Start	121*	DTMF Start	121*	DTMF Start	121*
DTMF End	121#	DTMF End	121#	DTMF End	121#	DTMF End	121#
Universal Kids West		NBCSN HD Alt2		Telemundo West SD		TVOne HD	
Virtual Channel 15		Virtual Channel 16		Virtual Channel 17		Virtual Channel 18	
PID	Value	PID	Value	PID	Value	PID	Value
Video	150	Video	710	Video	170	Video	180
Audio 1	151	Audio 1	700	Audio 1	171	Audio 1	181
Audio 2	152	Audio 2	702	Audio 2	172	Audio 2	182
DPI	155	DPI	740	DPI	175	DPI	185
DTMF Start	121*	DTMF Start	121*	DTMF Start	121*	DTMF Start	121*
DTMF End	121#	DTMF End	121#	DTMF End	121#	DTMF End	121#
E! West							
Virtual Channel 31							
PID	Value						
Video	310						
Audio 1	311						
Audio 2	312						
DPI	315						
DTMF Start	121*						
DTMF End	121#						