C&T

X.XXX KU-BAND COMMUNICATIONS UNIT INITIAL ACTIVATION AND CHECKOUT (FLOWCHART)

NOTE:

Add IFM steps for activate and wait times.

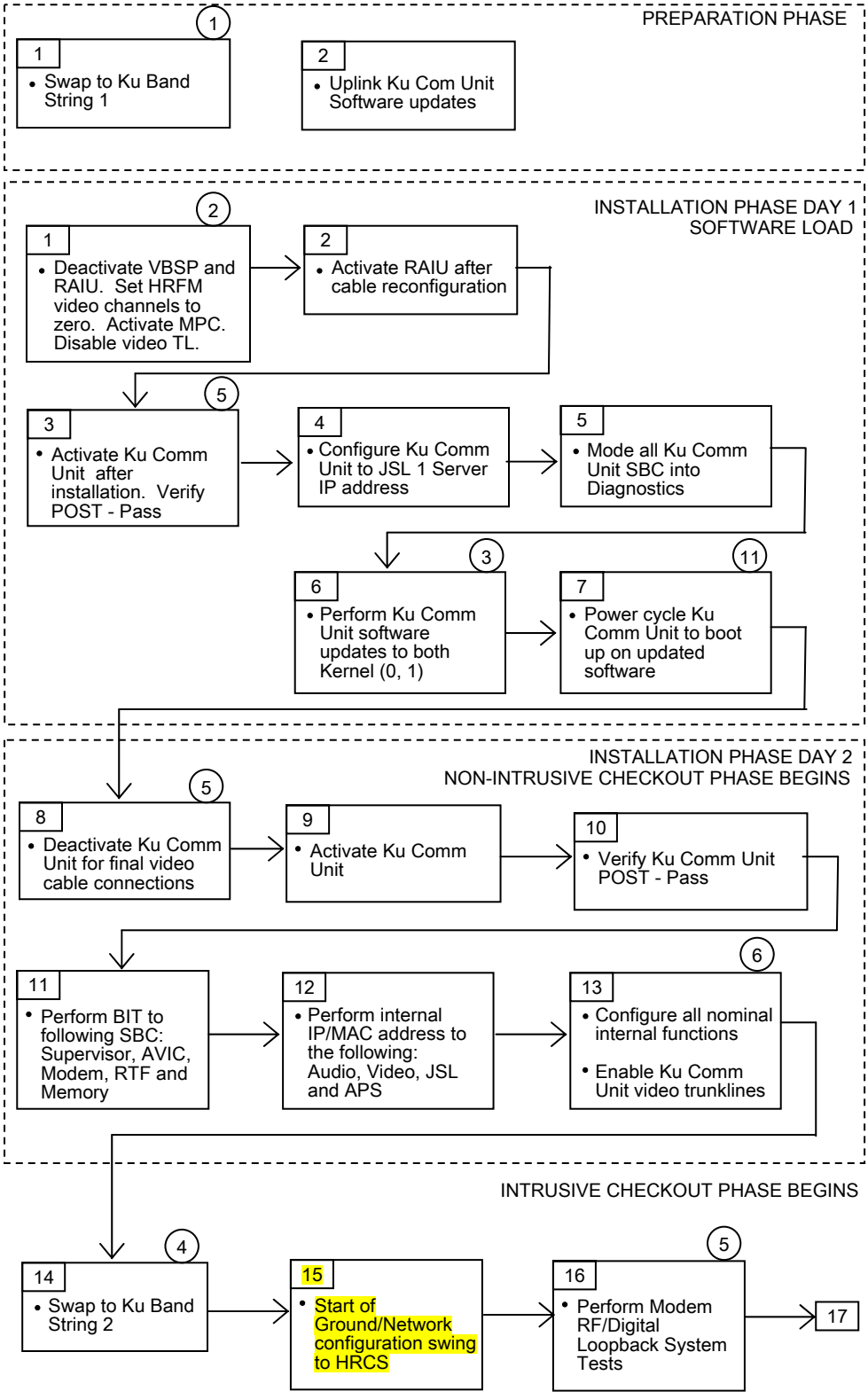
Do we need to inhibit any video TL?

Get with Ivan to check procedure for Ping capability prior to S/W load. JSL will be in Ver 3.8. Modify it for iPegh.

Each ICU has own port. OCA has its own port.

HCOR will remain power ON after the String Swap. Record starts prior to block 14.

The ICU1 and HCOR are on the same RPC.



(1) Ku Band String 1 needs to be prime to maintain legacy Ku Band downlink during Ku Comm Unit 2 installation.

(2) Loss of Video and ROS voice during installation phase.

(3) All Ku Comm Unit software patch(s) should be on board in JSL.

(4) Loss of all Ku Band data during string swap.

(5) HK1 Telemetry format 7 is needed for the checkout period. FCT will coordinate to minimize impacts due to packet swap.

(6) Data dump pipe will be requred to verify internal funtion configurations.

(11) The Ku Comm Unit will be left powered up for the nigtht. Deactivation is required for video cable completion.

C&T

X.XXX KU-BAND COMMUNICATIONS UNIT INITIAL ACTIVATION AND CHECKOUT (FLOWCHART)

NOTE:

DMC is ok with all RTN rates.

Get with Ivan to check procedure for Ping capability prior to S/W load. JSL will be in Ver 3.8. Modify it for iPegh.

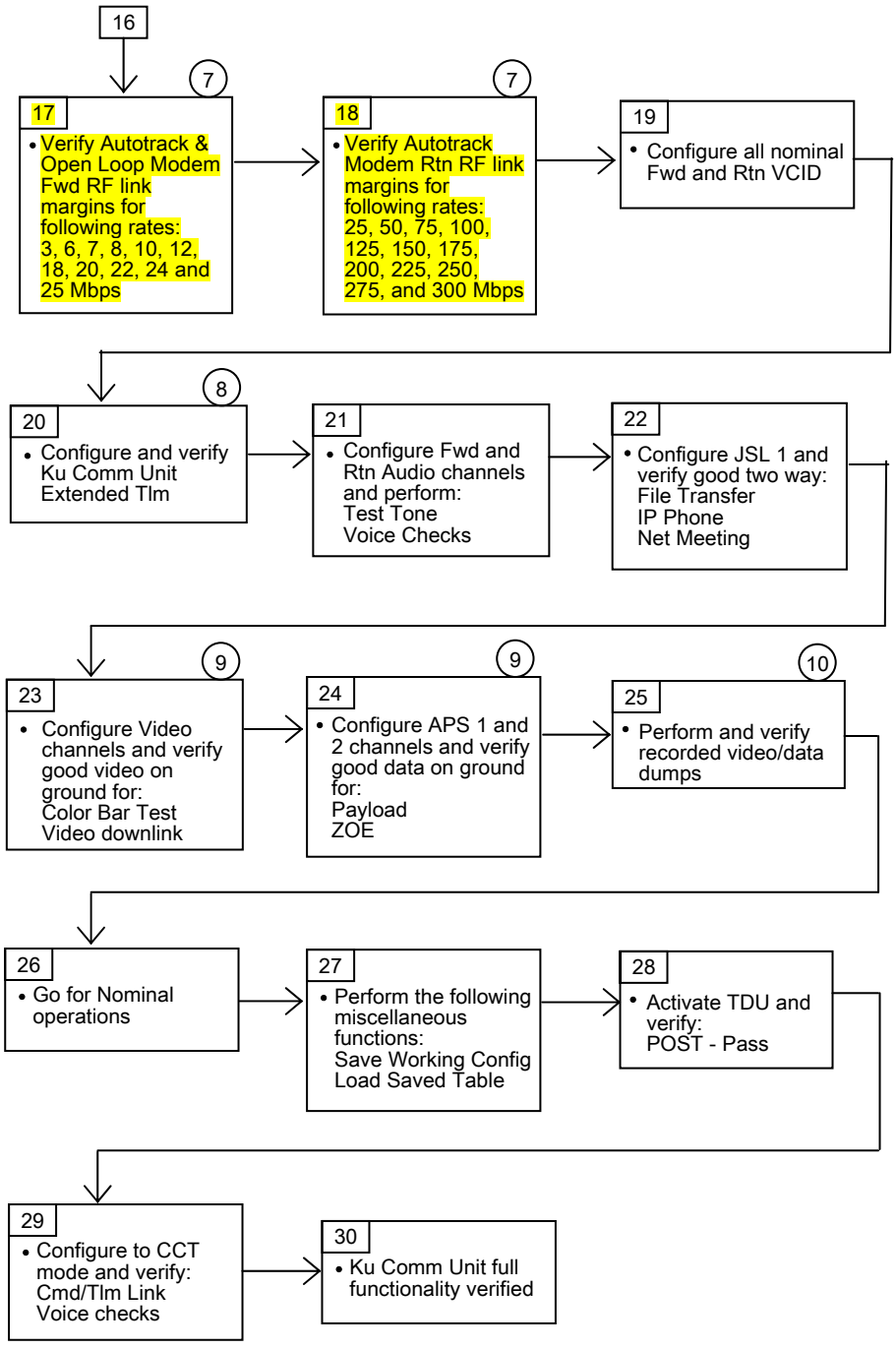
Each ICU has own port. OCA has its own port.

ETHOS to uplink new AV3 temp limits PPL.

Table 7 for CCT use only after failure.

Table 6 for non CCT use after failure.

Need complete list on VCID and sources for both tables.



(7) Several data rates could be deferred if ground is unable to support.

(8) Althought Extended Tlm is not required, it should be enable as soon as possible for health and status

(9) Begin recording video sources in Manual, Semi-Auto and Automatic modes.

(10) After completion of this step, all current legacy functionality has been verified.

X.XXX KU-BAND COMMUNICATIONS UNIT INITIAL ACTIVATION AND CHECKOUT (FLOWCHART)

KU-BAND COMMUNICATIONS UNIT FUNCTIONALITY CHECKS

Pass	Fail	Functionality
		SBC Power On Self Test (POST)
		SBC Built In Tests (BIT)
		Modem RF Loopback System Test
		Modem Digital Loopback System Test
☐	☐	Modem RF Characterization
☐	☐	JSL Functionality 1
☐	☐	Audio Test Tone
☐	☐	Two Way Audio Voice Checks
☐	☐	Video Downlink
☐	☐	Payload Data Downlink
☐	☐	Recorded Video Dump
☐	☐	Recorded Payload Data Dump
☐	☐	Zone Of Exclusion (ZOE) Playback
☐	☐	Ku Comm Unit Contingency Command Mode (CCT)
☐	☐	
☐	☐	
☐	☐	
☐	☐	