SIGNAL DIRECTORATE

RESEARCH DESIGNS AND STANDARDS ORGANISATION

MANAK NAGAR, LUCKNOW - 226011

Title: Monthly Maintenance Schedule For HBL STCAS - RIU (Remote Interface Unit)

SN	Issue	Version	Reason of Amendment
1	First	1.0	First Issue

Prepared by:	Approved by:
G. Pavan Kumar ED/Tele-II R N Singh ADE/Signal-5 Ashutosh Chaubey SSE/Signal	Shaminder Singh PED/QA/S&T/RDSO

Firm's Representative with	Railway Representative with
Name Designation and Date	Name Designation and Date

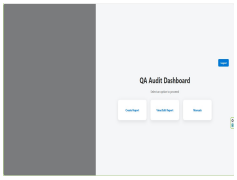
Monthly Maintenance Report — STCAS

Zone	Station	RIU No	RIU Equip No
ECR	DDUD	574152	87412

Module	Status
NMS	Open: 2, 3
POWER	Open: 2, 3, 4, 5, 6, 7, 8, 9, 10, 11
RIU_EQUIP	Not yet started
COMM	Not yet started
EARTHING	Not yet started

☐ **Completed** ' **Not Completed**

NMS

Sl No	Description	Action Taken / Range	Observation	Remarks	Image
1	Ensure E1 network is always healthy and RIU communication is stable.	Verify communication with STCAS unit.	54825211		 
2	Backup the Events & Fault data logs of RIU	Store the log files & Downloaded data from Google drive			
3	Ensure RIU inputs are operated	Check all the RIU field inputs (Signals, Points, Track circuits, etc.,) are operated properly in NMS.			

POWER

Sl No	Description	Action Taken / Range	Observation	Remarks	Image
1	Check the Voltage level at 230 v AC Mains input voltage to both the Battery chargers	220 - 260V AC	jijhhj		
2	Check the working of the A/C input supply monitoring relay for both the channels of A/C 230 V supply input to RIU	Ensure that the A/C supply monitoring relays are in ON condition when A/C power in available.			
3	Check the Power voltages at Equipment End of Ch-A & Ch-B	The voltage shall be in the range of 22V to 26.5V			
4	Check the mounting arrangementof Input fuse(If Any)	Ensure fuses are fastened securely			
5	Check the output Power Supplyvoltage for both Battery charger bank	21.6 ~ 28.8V DC to be observed for final O/P Voltage for both battery banks.			
6	Check the connections of the diodes in the charging path from both the battery charger output to batteries.	Ensure that the diodesare firmly connected to TB1 and TB2 in channel 1 and TB3 and TB4 in channel 2 respectively.			
7	To check that RIU battery back up is available.	Switch OFF MCBs, ensure that RIU works on battery back up.			
8	Clean the Battery Charger and Batteries	To be free from dust			
9	Check the voltages at Equipment end of INTERNAL (RIU) Supply	21.6V to 28.8V DCto be observed			
10	Check the voltages at Equipment end of EXTERNAL	21.6V to 28.8V DCto be observed			
11	Check the all wago fuse indications	Disconnect type fuse wago indications			

Sl No	Description	Action Taken / Range	Observation	Remarks	Image
		should not glow			