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**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

## Monthly Maintenance Report — STCAS

Zone: FR Page 2 of 2 RIU No: 123456	Effective from 21.01.2021	Document Title: Station: Howrah D Monthly Maintenance Schedule For HBL STCAS - RIU (Remote Interface Unit) Equip No: 123456	SIF-0552	Version 1.0
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SI No	Description	Action Taken / Range	Observation	Remarks	Image
1	Ensure E1 network is always healthy and RIU communication is stable.		hiii	hellooo	' Image
1	Check the Voltage level at 230 v AC Mains input voltage to both the Battery chargers		hthhh	ffgggg	' Image
1	Check the Quad/OFC		httgt	thhhh	' Image
1	Clean surface of the Earth electrode/MEEB/SEEB		hhh	tthhthh	' Image
2	Backup the Events & Fault data logs of RIU		hiii	ffff	' Image
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				N/A
2	Check the Quad/OFC				N/A
2	Measure the Resistance and fillwater in the Earth Pits to keep low soil resistance				N/A
3	Ensure RIU inputs are operated				N/A
3	Check the Power voltages at Equipment End of Ch-A & Ch-B				N/A
3	Check the communication status				N/A
3	Check the SPD devices for any signs of physical degradation				N/A
4	Check the mounting arrangement of Input fuse (If Any)				N/A
4	Visually examine all the communication cables are Connected properly and Communication card had tightened				N/A
5	Check the output Power Supply voltage for both Battery charger bank				N/A
6	Check the connections of the diodes in the charging path from both the battery charger output to batteries.				N/A
7	To check that RIU battery back up is available.				N/A
8	Clean the Battery Charger and Batteries				N/A
9	Check the voltages at Equipment end of INTERNAL (RIU) Supply				N/A
10	Check the voltages at Equipment end of EXTERNAL				N/A
11	Check the all wago fuse indications				N/A