

# SV-0907M

## Final Report

<b>Site:</b> Manus	<b>Dates on Site:</b> 28Jun-10Jul
<b>Team Members:</b> Mike Ryczek, John Glowacki	<b>Required Items &amp; Other Actions:</b> <ul style="list-style-type: none"> <li>• Ship Libert UPS obtained from Nauru</li> <li>• Ship repaired TSI from Darwin</li> <li>• Lorusso purchase kiosk repair parts(mother bd, UPS, etc) and ship to Manus</li> <li>• Ship replacement MWR dew blower temp sensor to Darwin, handcarry to Manus</li> <li>• Purchase and ship spare bins</li> <li>• Ship Ship VSAT antenna paint using Brough</li> <li>• CEIL PC OS troubleshooting procedure from Eagan</li> <li>• Ship new MMCR antenna from PNNL to Manus</li> </ul>
<b>Task Summary:</b> MPL, TSI repair, network upgrade.	<b>Safety:</b> <p>Major Hazards: Caustic chemicals (KOH), Explosive gas (H2), AC electricity</p> <p>Hazard Controls: BOM Electrolyser Handbook, BM Electrolyzer Operations/Maintenance Training, ASNZS 4836/2001-Safe Working on LV Electrical Installations, 2-man rule</p> <p style="color: red;">When replacing items (e.g., desiccant, filters, etc.), record and report the quantity of spares left on site.</p>

### SITE TASKS

	High priority / usually non-routine	Low priority / usually routine	Completed	
Priority	System	Date Completed (dd/Month)	Service Time (hours)	Tasks <small>For each priority item insert new line (row) for each date/time entry</small>
1	MPL			Install replacement power diode in MPL
		29-Jun	5	Power laser diode and power supply replaced and unit is online and operating Mentor requested to check it.
2	TSI			Align TSI.
		30-Jun	1	Completed
3	H2GEN			HOGEN troubleshooting, repair
		2-Jul	15	Completed
3	CEIL			Repair Ceilometer
		29-Jun	6.5	Completed Comprnsation fiber replaced, Ants removed from inside Coms connector, Temporary gasket fitted between case and power supply module.
4	NETWORK			Install new network upgrade (like Nauru and Darwin)
			16	Completed VOIP setup progressing with mentor
5	T/RH			Locate freshly calibrated T/RH probe(1of 3) that arrived from SGP and handcarry to Darwin for shipment to Nauru.
		1-Jul	1	Completed HMP45D ser # W4630002 Hand carried to Darwin. To be forwarded to Nauru
6	PHONE			Fix VOIP phone (after network upgrade)
		3-Jul	7	Replaced phone cable between E and D vans. Made up new Cables to connect to Patchpanel I van ongoing. Tested and problems reported to Dick Egan.
7	BBSS			Connect GC25 to BBSS PC with serial cable (remote software upgrade?)
		27-Jun	0.5	Completed. Serial cable connected.
8	OTHER			Check office fax machine.
		27-Jun	0.15	Office FAX machine is okay and staff can start it; they answer the call and it's a fax.
9	MMCR			Check MMCR UPS (could be cause of drops to stand by mode?)
		7-Jul	1	Completed. UPS appears to be working fine and reponding power outages correctly.
10	CEIL			Change Ceilometer batteries
		XXXXX	XXXXX	No new battery on site. Do not know if these were odered.
11	LOGGER			Change Logger batteries

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		xxXXX	XXXXX	No new battery on site. Do not know if these were ordered.
12	MET			Check MET tower for WD24159 sticker, SN: TWP119
		27-Jun	0.5	Completed. Unit has no WD tag. Mast part number is TWP119; serial number is TWP119-1.
13	H2 GEN			Check for spare Electrolyser Cells on-site
		7-Jul	1	No spare on site.
14	OTHER			Repair Kiosk and install in E-Van for site visitor viewing.
		xxxxx	xxxx	Part purchase still being investigated.
15	OTHER			Preventative Maintenance tasks (separate listing)
			12	On going.
16	OTHER			Scout for ARRA site improvements logistics at the ARCS Site in Momote. Photos.
		6-Jul	5	Completed. Power system investigated. Photos will be placed on the FTP site.
17	OTHER			Visit Lombrum Naval Base to scout for ARRA precip radar and AMIE IOP deployment locations. Photos.
		6-Jul	3	Completed. Photos will be placed on the FTP site.
18	H2GEN			Install eyewash bottles (in Electrolyser room? Launch building?)
				Not arrived on site yet nIn sea shipment???
19	VAN			Fungal wash containers & apply touchup paint to roof where needed.
		7-Jul	26	Pressure washing of vans completed. Anti fungal wash and paint have not arrived at site yet.
20	VAN			Oversee repair of I-Van and D-Van floor
21	MWR			Replace MWR dew blower temp sensor
				Completed during last trip.
22	COMS			Paint VSAT antenna
				Paint not arrived yet. In sea shipment???
23	OTHER			Ruthless inventory and organization of spares
			4	Started. Require plastic storage box to be shipped to the site.
24	OTHER			Install BOM National Tides satellite terminal and power supply at Lombrum Naval Base.
		6-Jul	2.5	Completed.
25	OTHER			Steel end caps fitted to outside work bench
		29-Jun	2.5	Completed.
	SHIPPING			List items to be shipped following visit
				Spare Electrolyser cells to Nauru (if on site).
	FUTURE NEEDS			List items needed for future visits (spares, etc.)
				MMCR antenna for replacement.
				Change Genset batteries.
				Ceillometer battery Yusua 2.3-12 (12V 2.3AmpHr)
				Loggers Batteries 8 x Yusua NP 7-6 6V 7AmpHr

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<b>Notes:</b>				
				MMCR Antenna replacement -Were did this task come from and who is shipping the replacement antenna?
				Genset bateries are in the shipment. When are they extepected to be in Manus?
				Ceilometer battery- Mentor advises that the unit is ear marked for replacement with a newer model.
				Logger Batteries - Are these in the sea shipment?