

MWA Prototype Outsanding Issues 2/02/11 form PSI Salem

No.	Priority	Description	Status
490	High	Dispatch Issue: MWA needs to advise PSI on what expectations it has on how the receivers are to be packages for transport. Transferred from Part3 Open Issues by DRC 19/10/10	Open
491	High	Dispatch Issue: MWA needs to advise PSI whether receiver crates are to be shipped fitted internally or separately. Transferred from Part3 Open Issues by DRC 19/10/10	Open
492	High	Dispatch Issue: MWA should be notified that units will be shipped with mounting bars fixed. Transferred from Part3 Open Issues by DRC 19/10/10	Open
493	High	Dispatch Issue: MWA needs to be clear on whether receiver units should be dispatched on pallets ready for unload or some other method. Transferred from Part3 Open Issues by DRC 19/10/10	Open
494	High	Production OH&S Issue: Lifting gear - platform or forks for pallet lift? Transferred from Part3 Open Issues by DRC 19/10/10	Open
495	High	Production OH&S Issue: workbench height to include/not include pallet? Transferred from Part3 Open Issues by DRC 19/10/10	Open
496	High	Metalwork Issue: Make sure final build suits the requirements - first . Add: welded seams, metal treatment etc for RFI tight approach. Transferred from Part3 Open Issues by DRC 19/10/10	Open
497	High	Metalwork Issue: Clips for Air Con Filters, and Lid. Transferred from Part3 Open Issues by DRC 19/10/10	Open
498	High	Foam Design Issue: Possibility of paint to limit RFI spill to be sprayed onto foam that will stabilise the foam and add to RFI performance. Transferred from Part3 Open Issues by DRC 19/10/10 JHS has trialed painting foam with Phoenix Paints White Kingcoat - works well. JHS has looked at absorber materials, its a bit of a can of worms. Trial Paint mixed with charcoal?	Open
500	High	Mechanical Issue: Retained screws - Consideration of retained screws / retained thumbscrews for modules in Rx - to save lost/dropped screws in field. See JHS for samples, problem to be solved is the retainer mechanism. Transferred from Part3 Open Issues by DRC 19/10/10	Open
501	High	Foam Design Issue: Upper Foam Retention - As discussed with Derek some time ago, a method of retaining the foam in the lid via bolts/screws to alleviate need for gluing. Transferred from Part3 Open Issues by DRC 19/10/10 We ended up using nearly \$60 of glue to fix lid due to its pyramid shape. So using screw fixings would reduce production costs and make it cheaper. The glue also gives of smelly gas.	Open
502	High	Fibre Issue: JHS has written to Arcus and Goeke with info to solicit a decision on the use of the fiber connector etc. Transferred from Part3 Open Issues by DRC 19/10/10 This will help in defining the deliverable. Decision on the type of connectors is also required: all the same mgmt path currently uses different connector ST not SC.	Open
503	High	Environmental Issue: ANTs JHS has written to Dave Emrich to raise the problem of ants in the environment, and possible problems they might cause. Pre-emptive remedy - perhaps. Transferred from Part3 Open Issues by DRC 19/10/10 One known issue which I have discussed with Air Con people is the location of the drain pipe. Normally mine sites mount their AC-units up high with a long drain pipe fairly wide diameter (25mm). They do not block with any mesh. They think most insects would be washed out. but spray for pests. Our pipe is very short and small diameter 10mm, using mesh would get clogged small size could be block by cockroach, we may also have an issue with mold. We may need to develop a maintenance process to keep clear.	Open
504	High	Design Request: MWA have not formally requested this, but it has been discussed. The inclusion of an extra external Ethernet port to the enclosure. This impacts on the SBC module design and the Enclosure metal work. As the SBC is under a design review it would be prudent to include the new media converter. Some of the design work has already been done bu stopped due to the lack of a formal request.	Open

505	High	Enclosure drip-edge: MWA has drip has been asked about but no formal request. Some pre-design work has been done to check feasibility now on hold.	Open
506	High	Overall dimensions of the MWA complete enclosure need to be added to the main enclosure drawing this will allow for site pre-planning work and transportation information to be provided correctly. I suggest we also include the overall weight that Andy measured.	Open
507	High	Design Required: Tempmon temp sensor in digital crate will be LM60 as suggested by MWA. They have not requested that the 3V3 supply be supplied via the tempmon pcb. This requires pcb change plus cabling update. formal request required before implementation.	Open
508	High	Design Required: ATIM-T pcb includes solid state relays to switch supply, it has also been suggested that these are included on the DoC pcb. I can't see them but I don't have a schematic just a pcb and part list. It looks like there is a current monitor also. MWA need to either provide circuit diagrams or advice to PSI about what goes on each PCB. MWA to decide what stays and what goes. New PCB layout cannot be done until this is decided. DRC5/11/10: My take on this without a circuit diagram to confirm is. Is that an LM5069 Hot Swap controller is being used but this doesn't switch the supply on/off, but controls power surges when the cables are connected "live" and switches on over current. If this is the case we should still provide the control. MWA should confirm my educated guess.	Open
509	High	Design Required: New RRI backplane still has large power supply block can the two used to power the ADFB's be removed.	Open