**L/X-Band Antenna – Action Items related to AWIPS I/II Ingest at HFO/PRH  
List of items to be completed prior to July 23, 2012**

*This list refers to the necessary tasks to assure that we can successfully receive the post-processed data from the new L/X-band antenna. See schematic for flow one data is post-processed and sent to disseminating LDM at HCC. HFO LDM does not refer to the HFO LDAD. The HFO LDM mentioned here is provided a preexisting I2 connection from the University of Hawaii at Manoa (UHM).*

ACTION for UHM/SOEST IT: Install operating system on HFO Local Data Manager (LDM). Jordan will install the LDM during site visit. Information about the operating system flavor and version (CentOS/RHEL v6 recommended) should be provided to Gloria Fletcher, Bill Boone, and Derek Ching in case there are any security implications.

ACTION for Roy Huff: Obtain IP addresses for server running LDM at Honolulu Community College (HCC) and the Honolulu Forecast Office (HFO). The latter should be the IP address of the existing I2 connection unless a new one is assigned. Both IP addresses should be static. We cannot use DHCP.

ACTION for UHM/HCC IT: Ensure Border Gateway Protocol (BGP) route exists from HCC LDM to HFO LDM. Make sure Gloria Fletcher and Bill Boone are aware of the BGP route.

ACTION for UHM IT: Configure firewall (iptables) on HFO LDM to restrict connectivity to between

* HFO LDM and HCC LDM
* HFO LDM and University of Wisconsin (UW) LDM on port 388. Allow remote administration within University of Hawaii domain (University of Wisconsin access on SSH permitted through SSH tunnel).

ACTION for Bill Boone: After approval, configure the Adaptive Security Appliance (ASA) to permit pull requests from NAS-accessible data servers george and gracie for waiting files on the HFO LDM over the SCP port (is this port 22?).

ACTION for Gloria Fletcher and Eric Lau: Determine what NOAA OPSnet configuration is required for george and gracie to resolve the HFO LDM host name or connect via IP address. Ideally, the traffic cop would be configured such that the data transfer would use the external ISP line instead of saturating the OPSnet bandwidth.

ACTION for Gloria Fletcher and Eric Lau: Submit AWIPS Request for Change (RC). Check into the possibility of a separate AWIPS user for routinely pulling data. Otherwise, the fxa user can accomplish this task, but a modification to the user crontab is necessary. Make sure Derek Ching is aware of exceptions to the firewall.

ACTION for Gloria Fletcher and Eric Lau: If there are network services on george/gracie which will need to be configured to allow data transfer from the HFO LDM, we will need to identify those and provide the proper solution.