PPAV Team: Major Priorities for Program

- **DIAG/VERIF:** Develop upgraded verification software for invest systems. Current Vx software is unable to easily handle invest systems that never develop into numbered systems. Fiorino and Franklin both have some tools for handling this.

- **DIAG/VERIF**: Expand CIRA model diagnostic code to include additional output parameters to address needs of modelers. Diagnostics verification code needs to be upgraded. Update documentation needs for both codes. Recommend entering both codes into DTC as a community code. Diag – FY15, Diag Vx – FY16.

- **DIAG/VERIF**: Include new DTC/TCMT verification techniques into MET-TC (e.g., forecast consistency verification, RI, genesis verification). Development of new RI verification techniques is already a FY14 milestone for DTC/TCMT.

- **DIAG/VERIF**: Create a link on the HFIP web page of the list of available Vx and diagnostic tools from all the various groups. Survey all the different HFIP groups to add to this list of tools. Create a list of what has been done so other groups can benefit.

PPAV Team: Major Priorities for Program

- **DIAG/VERIF**: Develop new techniques that evaluate storm size and structure (initially, 2-D is more realistic for the 3-5 year time frame).

- **PP/Products**: Develop the NHC-HFIP Corrected Consensus and transition to operations.   – developing it is an FY14 goal, using it in operations is a FY15+ goal.

- **PP/Products**: Expand the use of SHIPS, LGEM, SPICE to use input from global ensembles.

- **PP/Products**: Implement techniques that provide guidance on guidance (e.g., CIRA work to compare, for example, GFDL intensity forecasts with LGEM and SHIPS intensity forecasts based off of GFDL).

- **PP/Products**: Make better use of ensemble information for guidance on guidance (e.g., moisture example with which members are more moist, etc). Develop simple graphics and/or user interface that can display tracks & intensities based on various thresholds of environmental parameters (e.g., shear, SST, mid-level moisture) … FY17?

PPAV Team: Milestone Modifications

- Yearly, add in a miletonse describing work being done on Rapid Intensity change, verification, and new products.

- Yearly, add in a milestone describing work being done on guidance on guidance.

- Yearly: add in a milestone for evaluating HFIP website for content & revisions, with the final goal of transitioning web-based tools to NHC by FY19.

- Yearly: Add in a milestone for updating diagnostic and tracker codes.