



Verification: Definition of a Raw Model

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NWS Verification: Definition of a Raw Model

Motivation

- **To provide a national raw model forecast to assess the impacts of forecasters on the forecast process;**
 - Data QC
 - Run time modification
- **To serve as a ‘control forecast’ like persistence or climatology**



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Background

- **2005 Raw Model team**
- **2007 NWS River Forecast Verification Plan**
 - **OHD needs to establish a team to define the raw model to enable the users to assess the impacts of various steps (e.g. calibration, quality control, run-time modifications) on the forecast performance.**



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National Goals

- **Wholly evaluate the impact of the RFC forecasters (both HAS and Hydrologic forecasters)**
- **Evaluate the impact of forecaster mods**
- **Others?**



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Complicating Details

- Which QPF
 - Source
 - Leadtime
- Model States
 - What states to start with
 - How often to update
- Exceptions to 'No Mods Rule'



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Proposed Process for Consensus

- Each Verification Team member (all RFCs are represented) will provide a definition of a raw model appropriate for their RFC
- Create a summary of the different definitions identifying potential issues for reaching a national consensus
- HICs/Regions/OHD/HSD agree on the goals of national consistent raw models
- For each agreed upon goal; Mary and Julie will create a proposed definition of a raw model
- Regional HSD's will review raw model definitions and provide comments (standard 3 week review process with disposition of comments)
- Begin implementation work to establish raw models (no new development in NWSRFS – solution must be within the CHPS framework)

