Requirements NMME SEASONAL  (by Huug van den Dool, 4/7/11)

0)  Real-time model = hindcast model (real-time IC vs hindcast IC)

1)  Start times hindcasts, best is all 12 months.  (Details, follow CFSv2 lay-out would be good)

2)  Leads out to 9 months, more is better

3)  Hindcast years, 30 years is minimum. Anything longer is better.  (1981-2010 helps). AC>=0.20 issue.  (SST survives CV3RE better.)

4)  Number of ensemble members. This is up to originator, but we assume he/she understands that 1 ensemble member would keep skill down, and for N > “threshold” returns are diminishing, so they have to make a wise choice.

5)  We collect all members, not only the ensemble mean.  (Compare IRI plume v2 to-be)

6)  We prefer total fields (not anomalies), and no systematic error correction at the originator’s end please.  (We will do that for you)

7)  Resolution and physics of the model, entirely up to originators

8)  Required output would minimally be monthly means of global SST, T2m, prate, ….SLP, Z200.

Other points:
- What is operations?  Models in <= 8th of the month
- Reread 2007 R2O guidelines, 50% still applies
- Preliminary assessment (May/Nov ICs)
- Model updates for models that have been part of NMME
- Resources at NCEP/CPC to evaluate hindcasts, combine models and make real time delivery.