SEDAR South Atlantic Gag Grouper Update Assessment
Terms of Reference

1. Update the approved SEDAR 10 Gag Grouper base model, using the constant catchability model recommended by the RW and endorsed by the SSC, with data through 2012.

2. Document any changes or corrections made to model and input datasets and provide updated input data tables. Provide commercial and recreational landings and discards in pounds and numbers.

3. Update model parameter estimates and their variances, model uncertainties, and estimates of stock status and management benchmarks. Provide a pdf for biological reference point estimates and the following analyses:

   1. Projections of yield (pounds and numbers of discards and landings) and stock parameters (F, SSB) based on the following criteria: 1. Probability of overfishing (P*) = 30% and 50% (include probability of SSB<MSST)

   2. Projections of yield (pounds and numbers of discards and landings) and stock parameters (F, SSB) with a constant F=75% Fmsy

   3. If the stock is determined to be overfished, provide the probability of rebuilding within mandated time periods based on F=0, F=Fcurrent, F=Frebuild, and F=Fmsy. (For this analysis, Frebuild is defined as the maximum exploitation that rebuilds the stock in the maximum time allowed; evaluate at 50% and 70% probabilities of reaching SSBmsy.)

4. Develop a stock assessment update report to address these TORS and fully document the input data and results of the stock assessment update.

NOTE: The intent of update assessments is to expedite appraisals of stock status by using only the methods and data sets used in the base model and approved during the preceding SEDAR assessment of that stock. Accordingly, it is not the intent of this update to resolve any outstanding issues identified in the initial SEDAR 10 assessment.