National Standard 1 – Technical Guidance

Council Coordination Committee

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NS1 – Agenda item

Objective:

- Update on NS1 Technical Guidance work.
- Overview of draft technical memo on carry-over and phase-in.

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NS1 Technical Guidance Workgroup

Purpose: Develop technical guidance on National Standard 1 (NS1) guideline topics to support decision-making.

- Address key concepts within 2009 and 2016 revisions.
- Will result in multiple work products.

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NS1 Technical Guidance Workgroup

3 subgroups

- Subgroup 1: Reference points
- Subgroup 2: Carry-over and Phase-in
- Subgroup 3: Data Gaps and Alternative Approaches

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Subgroup 1 – Reference Points

Subgroup Chair: Rick Methot

Council staff:

- Dr. Diana Stram (NPFMC)
- Mark Fitchett (WPFMC)
- John DeVore (PFMC)
- Mike Sissenwine (NEFMC)

Pursuing multiple projects:

- Estimation of F_{MSY}, B_{MSY}, and proxies
- Total catch accounting

Subgroup 1 – F_{MSY}, B_{MSY}, and their proxies

Tech Memo on estimation of F_{MSY}, B_{MSY}, and their proxies.

- Guidelines and consideration for direct estimation of F_{MSY} and B_{MSY}
- Guidelines for calculating F_{MSY} and B_{MSY} proxies
- Spawning potential ratio (SPR) methods

Status:

- Have a working draft, meetings and ongoing input from science centers.
- Anticipate draft for working group review early 2020.
- Anticipate Council review summer 2020.

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Subgroup 1 – Catch accounting

White paper: Best practices for fulfilling the catch and fishing mortality accounting requirements outlined in the National Standard 1 guidelines.

- Issues related to catch accounting.
- Best practices in accounting for total catch.

Status:

- In development.
- Due to workload, authors expect to resume work January 2020.
- Anticipate Council review summer/fall 2020.

Subgroup 2 – Carry-over and Phase-in

Chair: Dan Holland (NWFSC)
Council staff: Dr. Ryan Rindone (GMFMC) and Josh DeMello (WPFMC)

Tech Memo: Advice and Recommendations for Designing, Evaluating, and Implementing Carryover and Phase-in Provisions.

- Carry-over and phase-in examples.
- Approaches to implement and evaluate carry-over and phase-in.
- Characteristics of fish stocks and fisheries that impact risks and benefits of carry-over and phase-in.

Status: Presentations to Gulf of Mexico, Pacific, Caribbean, South Atlantic, New England, and Western Pacific Council SSCs. Council comments due January 15, 2020.

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Approaches to implement and evaluate carry-over

- Within ABC control rule
  - NS1 Guidelines
  - Draft tech memo – additional factors to consider
- Case-by-case basis
  - Rerun the projections that were used in the last stock assessment with revised catch estimates.
  - Scenario planning within a stock assessment.

Approaches to implement and evaluate phase-in

- Within ABC control rule
  - NS1 Guidelines
  - Draft tech memo – additional factors to consider
- Case-by-case basis
  - SSC may recommend ABC that differs from the result of the ABC control rule.
  - Run projections based on the most recent assessment with the proposed ABCs.

Characteristics/considerations for carry-over and phase-in

- Life history characteristics
- Stock structure and spatial dynamics
- Jointly targeted and bycatch species
- Assessment availability and frequency
- Payback for ACL overages

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Subgroup 3 – Data Gaps and Alternative Management Approaches

Chair: Jim Berkson (ST), Marian Macpherson (SF)
Council staff liaisons

- Dr. John Froeschke (GMFMC)
- Marlowe Sabater (WPFMC)

Tech Memo: Implementing effective ACLs for data-limited stocks in federally managed fisheries - Review and recommendations

Status:

- Draft in development
- Meetings and ongoing internal input
- Anticipate future Council review

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Questions and Discussion

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Backup slides

Carry-over Use in U.S. and Abroad

- Used in New Zealand, Canada, Iceland, Australia IFQ systems as part of catch balancing system (10%-30% of quota; often have both carry-over and pay-back)
- U.S. FMPs with Carry-over
  - North Pacific Halibut & Sablefish IFQ (10%)
  - Pacific Groundfish IFQ (10%)
  - New England Multispecies Sectors (10% of Sector ACE)
  - Atlantic Sea Scallops LAGC (10% DAS)
  - Atlantic Sea Scallops IFQ (15%)
  - Atlantic HMS Shark – not overfished/not overfishing (50%)
  - Gulf Snapper and Grouper-Tilefish IFQ (10%)

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Phase-in Use in U.S. and Abroad

- Many fisheries in South Africa, New Zealand, Iceland, Europe have control rules that limit frequency or amount of change in TAC – usually tested with MSE.
- U.S. fisheries - examples:
  - Mid-Atlantic summer flounder (2016-18) later abandoned.
  - Main Hawaiian Islands Deep 7 bottomfish complex (2015-18).
  - Alaska Groundfish FMPs– stair-step increases to ABCs.

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