# Mock Proposal Review Process

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## Setup

- Two Science Review Panels (SRPs): PCO and GWT.
- 10 Proposals per SRP. Includes:
  - Large proposal—includes DMR.
  - Proposal with two ARs for different Facilities—multiple TRs.
  - Proposal with two ARs for same Facility—same TR.
  - Proposal with HSA Facility—multiple TRs for one AR.
  - Proposal with External Facility (e.g., HST) AR—external TR.
  - Proposal with < 3 reviewers—reviewer from another SRP.</li>

#### Roles

- TTA Group Member: Dana
- Feasibility Reviews
  - Feasibility Reviewers:
    - Reid-VLA Experience
    - Sam—VLA Experience
    - Matt—GBT Experpence
    - Jen—VLBA Experience
    - Mark F.—VLA/VLBA Experience
    - Stephan—DM Experience
- Science Reviews
  - PCO SRP Chair: Reid
  - PCO SRP Members: Matt, Allie, Mark W., Jen
  - GWT SRP Chair: Mark F.
  - GWT SRP Members: Sam, Jeff, Laura, Stephan

# Feasibility Review Template

Follow-up of CHIME Fast Radio Bursts
PI: ; CO-Is:

Proposal ID: Sem25A-001 Category: GWT; Class: Regular Total Time: 42.0 hr

Feasibility Reviewer: CONFLICT [y/n]:

Abstract. This is a timely proposal with some potentially interesting results.

Allocation Request 1: FACILITY: GBT Allocation Request 2: FACILITY: N/A

#### Technical Review

Allocation Request 2:
Possibility Reviewer Matt
COMMENTS FOR THE PI:
COMMENTS FOR THE PI:

INTERNAL COMMENTS: INTERNAL COMMENTS:

#### Data Management Review

Allocation Request 1: Allocation Request 2:
Feasibility Reviewer. None Feasibility Reviewer. N/A COMMENTS FOR THE P1:

INTERNAL COMMENTS: INTERNAL COMMENTS:

Actions: Red—TTA Group member; Blue—Feasibility reviewer.

# Feasibility Review Process

- TTA Group member assigns reviewers to proposals.
- Reviewer declares conflicts.
- Perform Technical/DM review:
  - Reviewer enters "Comments for the PI."
  - Reviewer enters "Internal Comments."
  - Reviewer completes review.

## Science Review Template

Follow-up of CHIME Fast Radio Bursts PI: ; CO-Is: Proposal ID: Sem25A-001 Category: GWT; Class: Regular Total Time: 42.0 hr Science Reviewer: CONFLICT [y/n]: Review Type:

6/9

Abstract. This is a timely proposal with some potentially interesting results.

Allocation Request 1: Allocation Request 2: FACILITY: GBT FACILITY: N/A

Individual Science Review

INDIVIDUAL SCORE [0.1–9.9]: NORMALIZED INDIVIDUAL SCORE: COMMENTS FOR THE SRP: FINAL NORMALIZED INDIVIDUAL SCORE:

SRP Consensus Review

MEAN NORMALIZED INDIVIDUAL SCORE: SRP SCORE:

NORMALIZED LINEAR-RANK: COMMENTS FOR THE PI: INTERNAL COMMENTS:

Actions: Red—SRP chair; Blue—Science reviewer; Green—TTA Group member/Software.
Review Type: Primary—lead discussion; Secondary—backup primary; Tertiary—provide review; None—no review; Conflict.

Dana S. Balser (NRAO) Mock Review TTA Tools

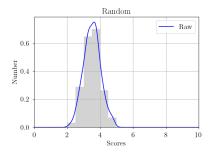
### Science Review Scores

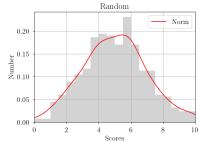
#### Table: TTA Scoring Summary

Name	Comment
Scores per Reviewer/Proposal	
Individual Score	Values between 0.1–9.9.
Normalized Individual Score	Normalized w.r.t. reviewer ( $\mu = 5.0$ , $\sigma = 2.0$ ).
Finalized Normalized Individual Score	Allows for re-voting.
Scores per Proposal	
Mean Normalized Score	Averaged over all reviewers per proposal.
SRP Score	Updated to Mean value but can be manually changed.
Normalized Linear-Rank	Values between 0.0–10.0

- Normalized Score: s' = a \* s + b, where s is the raw score,  $a = 2/\sigma(s)$ , and  $b = 5 \mu(s)$ .
- Normalized Linear-Rank: r' = r \* 10/n, where r is the rank and n is the number of proposals in the SRP.

## **Normalized Scores**





### Science Review Process

- Reviewer declares conflicts.
- SRP chair assigns reviewers to proposals.
- Perform Individual review:
  - Reviewers enter "Individual score."
  - Reviewers enter "Comments for the SRP."
  - Reviewers complete reviews.
- TTA Group member normalizes scores (per reviewer).
- Perform Consensus review:
  - SRP chair considers source conflicts.
  - SRP chair allows a re-vote/adjusts SRP score.
  - Primary/Secondary reviewers enter "Comments for the PI."
  - Primary/Secondary reviewers enter "Internal Comments."
  - Primary/Secondary reviewers completes reviews.
  - **6** SRP chair/TTA Group member checks/finalizes reviews.
- TTA Group member generates normalized linear-rank.