

Draft Agenda
TDP Antennas Working Group Meeting
Version of April 27, 2009

Day 1 Wed May 6, 2009

Introduction

Jack Welch

TDP Perspective

Jim Cordes

SKA Antenna Development and Verification Plan

PrepSKA Design Plan

Peter Dewdney

Antenna Development and Verification

Neil Roddis

TDP Antenna and Feed Plan

Lynn Baker

DRAO/PrepSKA Antenna Work

Gary Hovey

Calibration and Processing Input to Antenna Design

Athol Kemball

Discussion Session:

Leader: Neil Roddis

Timeline for Development and Verification, including deliverables

Reflector Development

ASKAP Antennas

Dave deBoer

South African Antenna Development

Anita Loots

Dual-offset Reflector Shaping

Lynn Baker

Development of Composite Reflectors

Dean Chalmers

Hydroformed Reflectors: Offset and Symmetric

Options and Costs

Matt Fleming

Discussion Session:

Leader: Lynn Baker

Matrix of Antenna Types to Consider and Select From

Day 2 Thu May 7, 2009

Single-pixel Feed Development

The QSC Feed
Upgrades for the ATA Feed
The Lindgren Feed
South African Feed Design

German Cortes
Jack Welch
Sandy Weinreb
Anita Loots

Discussion Session:

Making Decisions about Wide-band Feeds

- a. *Performance metrics (A/T, crosspol, cost)*
- b. *When to consider multiple SP feeds to cover the frequency range?*

Leaders: Jack Welch,
German Cortes

Phased-array Feed Development

ASKAP PAF
PAF Measurements at Green Bank

Optical Limits for Vivaldi Arrays

Dave deBoer
Rick Fisher
Roger Norrod
Bruce Veidt

Discussion Session:

Feed/LNA Interconnect Issues

Leaders:
Sandy Weinreb,
Neil Roddis

Antenna, Feed and LNA Integration

Sandy Weinreb
Bill Imbriale

Discussion Session:

Making Decisions about Antenna+Feed Options

- a. *Ratiometric pricing*
- b. *Cost break points*
- c. *Single/multiple feeds: mechanical issues*

Leader:
Matt Fleming

Reporting issues

- a. NSF, TDP Technical Memos, SKA Technical Memos, etc.
- b. Target dates for results and reports

Jim Cordes