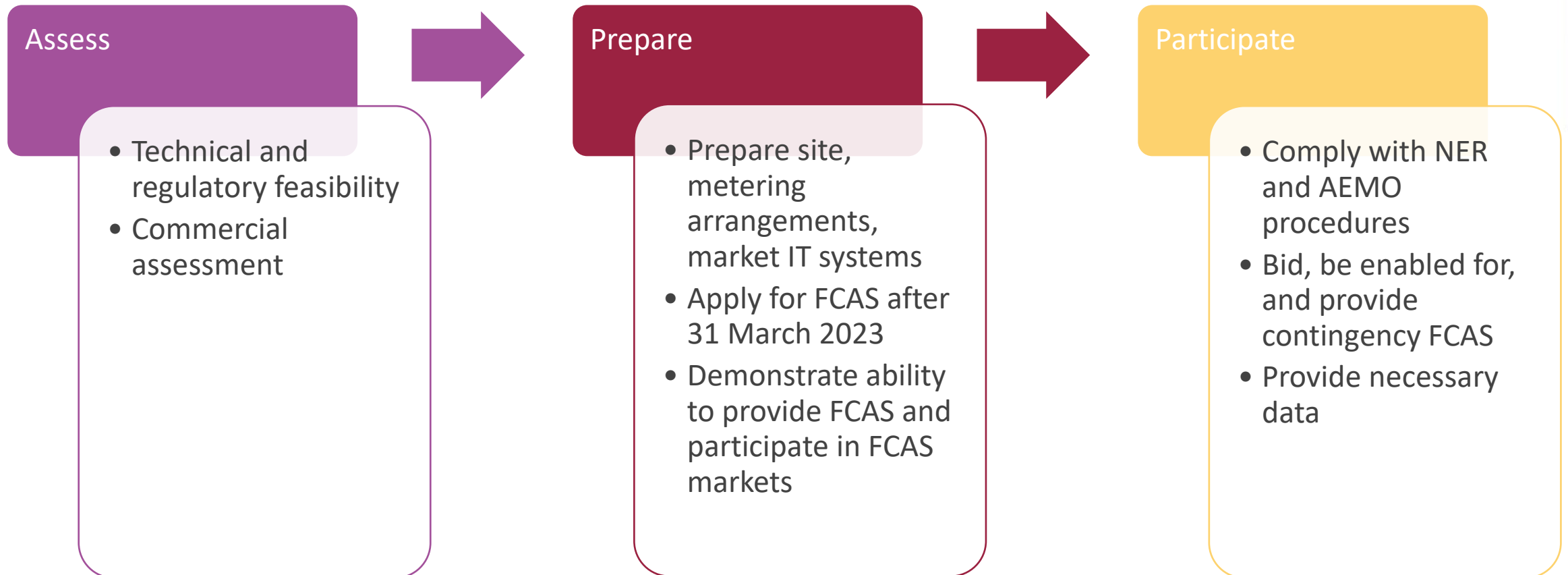
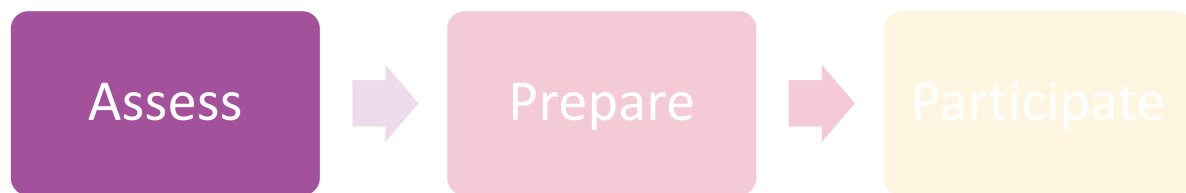


Overview of steps needed for SGAs to participate in FCAS

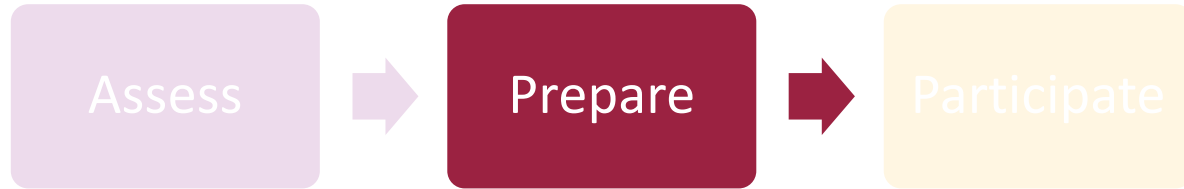


Assess



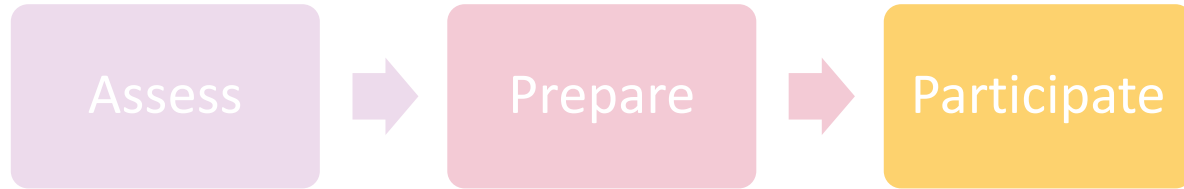
- ❖ Is the SGA's participation in FCAS markets technically feasible? Which of the contingency FCAS markets are technically feasible to participate in?
- ❖ Do the current metering arrangements meet the FCAS specification?
- ❖ Are market IT bidding systems / control systems set up to facilitate FCAS market participation?
- ❖ Commercial assessment: costs of setup and application versus FCAS revenue benefit.

Prepare



- ❖ To apply to classify an ancillary service unit/load (ASL) for the first time, existing SGAs will need to submit an *Application to classify a generating unit as an ancillary service generating unit and/or a load as an ancillary service load in the NEM*.
 - ❖ This application form already exists and will be updated to provision for SGAs in time for 31 March 2023.
- ❖ SGAs will need to demonstrate their technical ability to provide FCAS (respond to frequency events), in accordance with AEMO's Market Ancillary Services Specification (MASS).
- ❖ SGAs will also need to demonstrate the ability to bid (and be enabled for) contingency FCAS markets.
- ❖ The application and approval process for units registering for FCAS for the first time typically takes 4-6 weeks, depending on context/complexity.
- ❖ Once an initial application has been approved, the intention is that subsequent ASL classification applications will be submitted and managed via AEMO's Portfolio Management System.

Participate



- ❖ Ongoing understanding of compliance obligations, including but not limited to:
 - NER
 - AEMO procedures
 - (e.g. SO_OP_3705 Dispatch, SO_OP_3704 Pre-dispatch, Procedures for issue of directions and clause 4.8.9 instructions)
 - MASS.
- ❖ Bid/rebid and be enabled for contingency FCAS.
- ❖ Respond to frequency events, as per FCAS enablement.
- ❖ Facilitate AEMO data requests to assess FCAS compliance.

Resources

ASSESS

- **FCAS Market familiarity**
 - [Guide to Ancillary Services in the National Electricity Market](#)
- Relevant sections of the **National Electricity Rules**
- AEMO's [SGA Fact Sheet](#), to be updated prior to 31 March 2023

PREPARE

- [AEMO's Market IT Systems](#)
- **FCAS technical requirements**
 - [Market Ancillary Service Specification \(MASS\) v7.0](#)
 - [BESS Requirements for Contingency FCAS Registration](#)
 - [Wind Farms and Solar Farms Testing Requirements for Contingency FCAS](#)
- **Registration forms & guides** to be updated before 31 March 2023:
- [AEMO Register as an SGA web page](#)
 - [Application to classify a generating unit as an ancillary service generating unit and/or a load as an ancillary service load in the NEM](#)
 - [Guide for application to classify generating unit as an ancillary service generating unit and/or a load as an ancillary service load in the NEM](#)
 - [Supporting Document – Information Form – NEM – Control Equipment Details](#)

PARTICIPATE

- [Power System Operating Procedures](#)
- [AER - Rebidding and Technical Parameters Guideline](#)
- [AEMO's Market IT Systems - Guides to offers and submissions](#)
- **FCAS compliance**
 - [Market Ancillary Service Specification \(MASS\) v7.0](#)
 - [FCAS Verification Tool v5.01 for MASS v7.0](#)
 - [FCAS Verification Tool User Guide v4.1 for MASS v7.0](#)