

# Technical Rules compliance:

Frequency control - deadband and droop



DM: 13103531



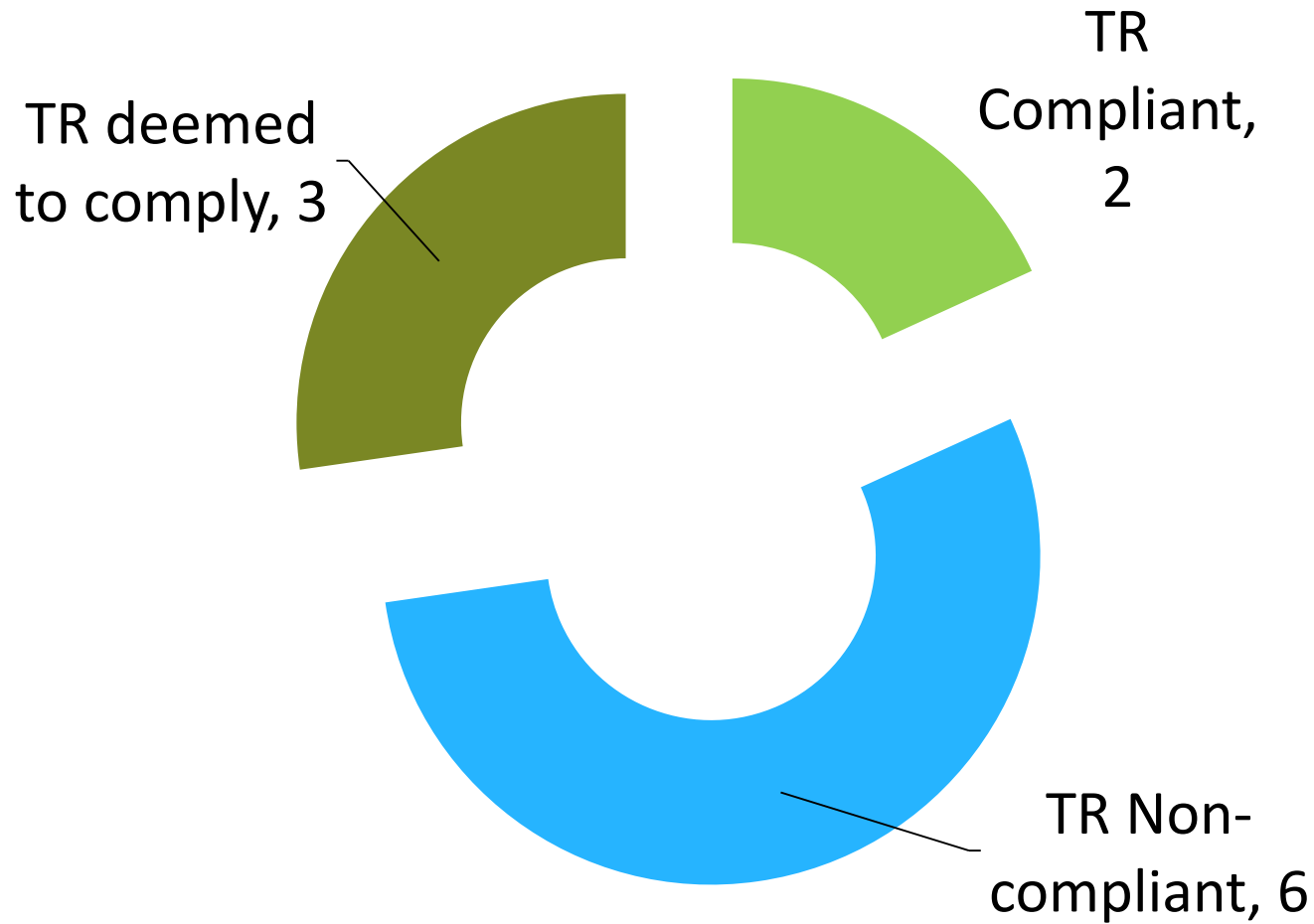
# Agenda:

1. Background
2. Present status
3. Next steps

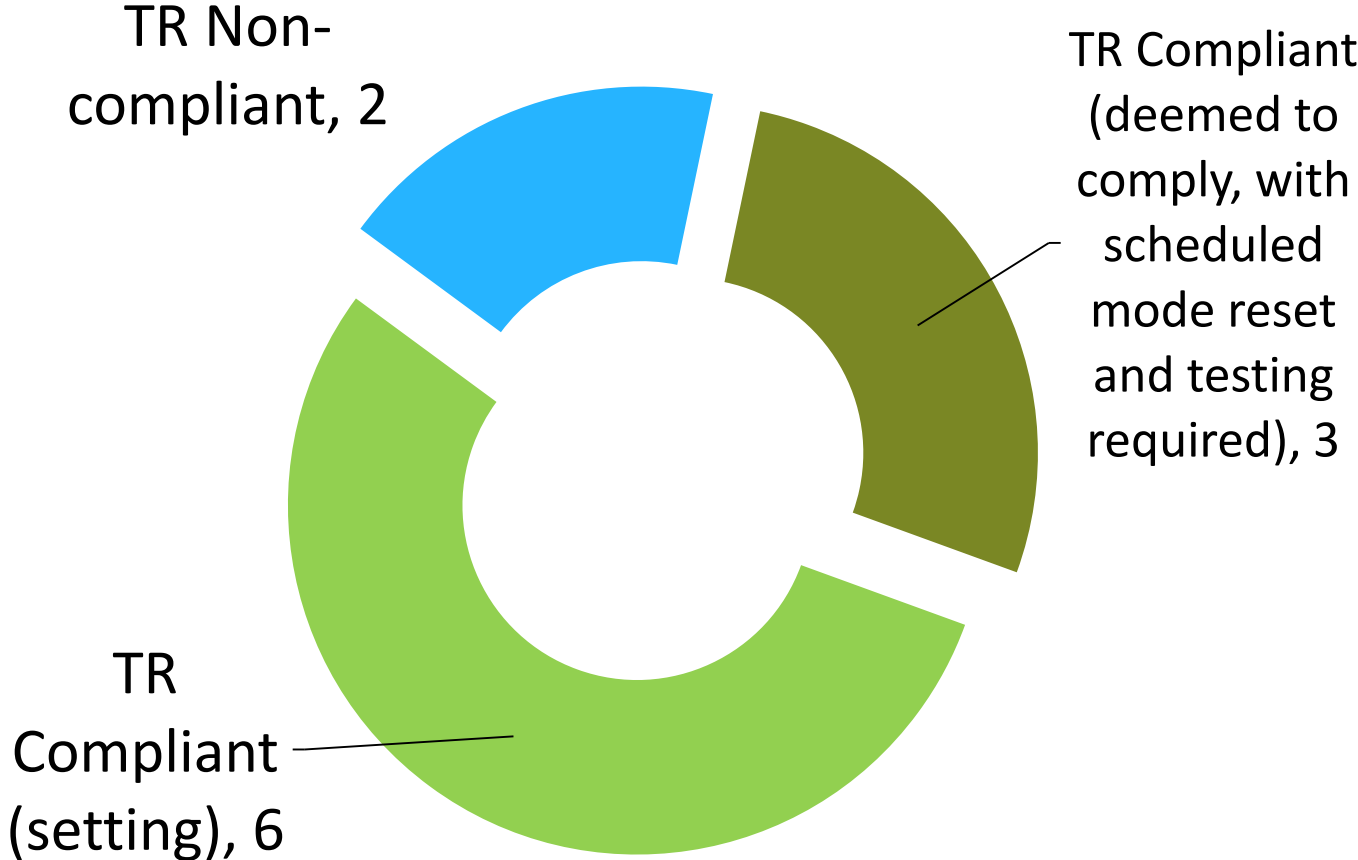
# 1. Background

- ❖ There has been a history in recent years of inconsistent application of Technical Rules deadband requirements and settings
- ❖ The 2014 Ancillary service report (EY/IMO) “Recommendation 1A” called for all SWIS Generators to adopt Technical Rules compliant deadband and droop settings
- ❖ Western Power undertook a review and audit of these in April and May of 2015
- ❖ A total of 11 significant SWIS generation facilities were identified and consulted in a review of deadband and droop settings

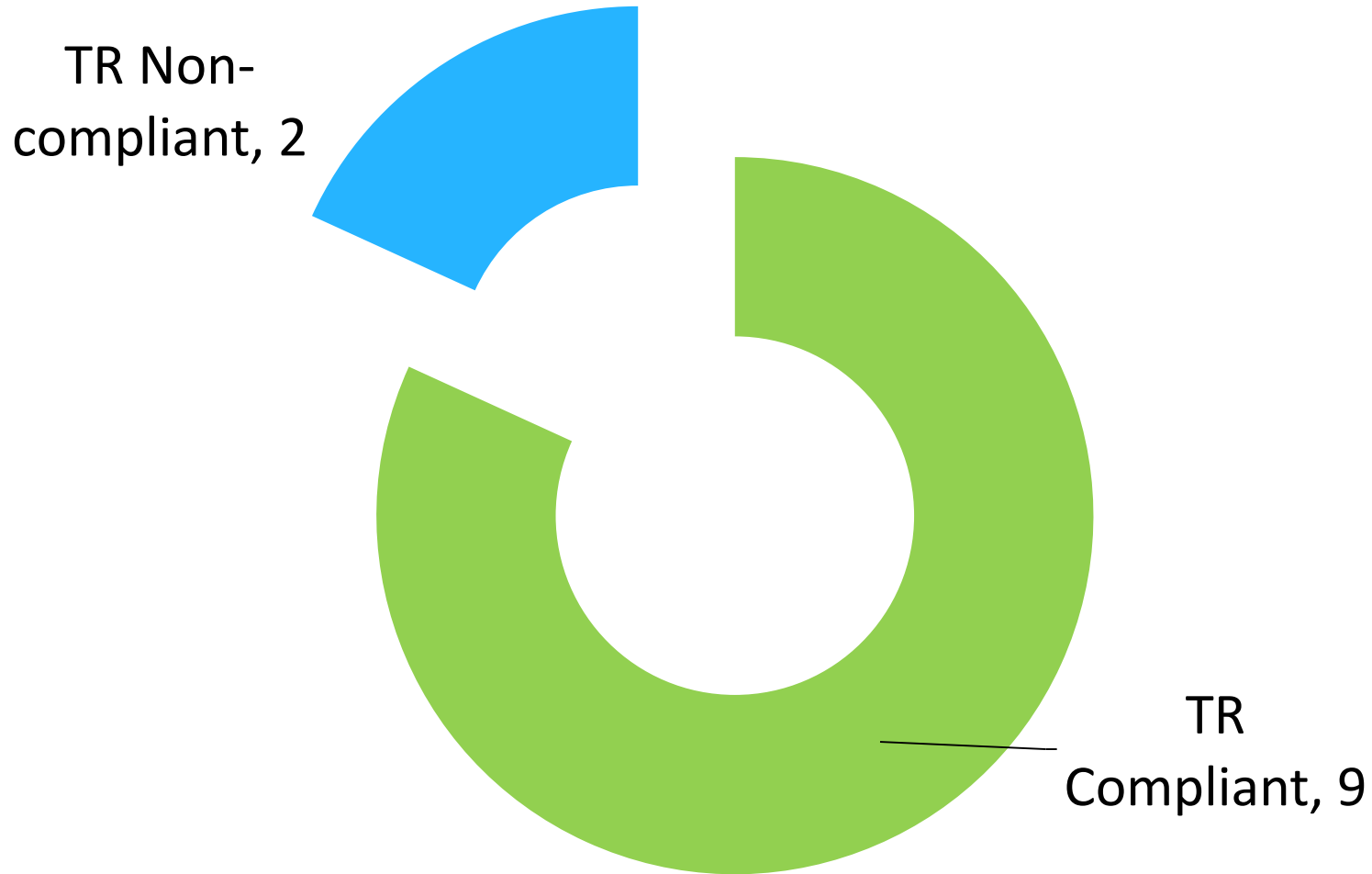
# Facilities (n=11): TR compliance at end of May 2015



# Facilities (n=11): TR compliance identified end of June 2015



# Facilities (n=11): TR compliance - to be revised/confirmed at the end of 2015



## 2. Present status (22 July)

	As at end of May 2015	As at end of June 2015	Expected at the end of 2015
Technical Rules non-compliant	9	2	2
Technical Rules compliant	2	7	7
Technical Rules deemed to comply, with scheduled mode reset and testing required	3	3	3 (with TR settings if testing is successful)
With Technical Rules settings	3	4	7

# 3. Next steps

- ❖ Engage ERA, IMO and SM stakeholders to work together with Western Power to achieve a suitable outcome for the frequency control/deadband non-compliances identified above
- ❖ Ensure targetted settings and testing are coordinated for October and November to ensure that the options for all participants to adopt the compliant settings by the end of 2015. The most equitable and workable solution is for all SWIS generation to adopt compliant settings regardless of grandfathering status
- ❖ Reword the Technical Rules clause to require total deadband of 0.05Hz (50 mHz). Removal of “less than 0.05Hz” and replacing with “must not exceed 0.05Hz” will enable more consistent settings





❖ Questions?

# Electricity Networks Corporation trading as Western Power

ABN 18 540 492 861

**24/7 Emergency Line 13 13 51**

**General Enquires 13 10 87**

**TTY 1800 13 13 51**

**TIS 13 14 50**

**Email [enquiry@westernpower.com.au](mailto:enquiry@westernpower.com.au)**

**Website [westernpower.com.au](http://westernpower.com.au)**



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