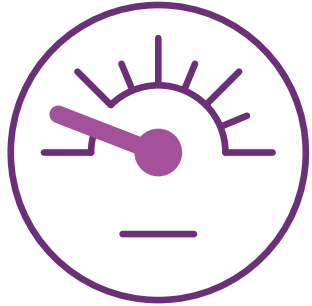


IESS NCC transition plan

Transition of registered distribution-connected generating units (and generation side of distribution-connected storage) from NMI Classification Code of GENERATR to new code of DGENERATR



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CONTEXT

- [IESS rule](#) requires AEMO to distinguish distribution-connected generators from transmission-connected generators for the purpose of correctly allocating unaccounted for energy (UFE).
- [AEMO’s IESS implementation program](#) has entered the industry readiness phase of the project. This document is specific to the NMI classification code changes needed for IESS industry readiness.
- AEMO consulted on NMI Classification Code (NCC) changes through the [IESS Retail Electricity Market Procedures consultation](#), including:

NCC	Rationale for change
TIRS	New code to identify transmission-connected IRS and replace existing requirement for two NMIs
DIRS	New code to identify distribution-connected IRS and replace existing requirement for two NMIs
DGENRATR	New code to differentiate between distribution and transmission connected generation
GENERATR	Amendment to allocate code to transmission-connected generation only, given new DGENRATR code above
NREG	Amendment to reflect new terminology, IRP Small Resource Aggregator classification of small BDUs in addition to small generating units, and stakeholder feedback

PURPOSE

NCC transition plan set out the activities, dependencies, and timeframes for AEMO to transition the existing distribution-connected generators (and generation side of distribution-connected storage) to the DGENRATR registration category.

RELATED DOCUMENTS

RELATED DOCUMENT	DESCRIPTION
Participant impact assessment	The IESS June 2024 Participant Impact Assessment provides the high-level impacts of the IESS rule change and contains detail around which participants are affected by the NCC changes.
IESS readiness approach	The IESS readiness approach is the overarching plan to guide AEMO and NEM participants' IESS readiness activities and operational preparedness for IESS-related system go-lives and rule commencements.
IESS BDU transition and cutover plan	The IESS BDU transition and cutover plan outlines the expected responsibilities, activities, dependencies, and timeframes for AEMO and Participants to successfully transition all grid-scale batteries from 2 DUIDs to a single BDU DUID.
IESS market trial strategy	The IESS Industry testing and market trials strategy defines the approach, scope, process and responsibilities and high-level schedule of the industry testing and market trial phase for IESS.
IESS market trial plan	The IESS industry testing and market trial plan sets out the approach to developing the plan and defines how and when the IESS industry testing and market trial will be executed.

NCC CHANGE SCOPE

NCC	APPROACH FOR EXISTING FACILITIES	APPROACH FOR FACILITIES REGISTERED FROM JUNE 2024
TIRS	AEMO to apply new code to transmission-connected IRS as part of individual BDU cutover, timing agreed via <i>BDU transition and cutover plan</i>	AEMO to apply code as part of BAU registration process.
DIRS	<p>AEMO to apply new code to distribution-connected IRS as part of individual BDU cutover, timing agreed via <i>BDU transition and cutover plan</i></p> <p>NOTE: For distribution connected IRS/ BDU that are transitioning to DIRS, the DGENRATR transition will occur first, with an effective date of 2 June 2024 (IESS settlements go-live). When they transition, the DGENRATR NMI and the LARGE/DWHOLSAL NMI will then be transitioned to a single DIRS NMI later in consultation with the FRMP.</p>	AEMO to apply code as part of BAU registration process.
DGENRATR	<p>AEMO to transition existing distribution-connected generation and the generation side of distribution-connected storage to new DGENRATR NCC for IESS settlement go-live (Sun 02 Jun 2024)</p> <p>AEMO to publish <i>draft NCC transition plan</i> early Dec for industry comment.</p>	AEMO to apply code as part of BAU registration process.
GENERATR	No transition required for existing transmission-connected generation	AEMO to apply code as part of BAU registration process.
NREG	<p>No transition required for existing small resource connection points</p> <p>NOTE: Existing SGAs will be moved to the IRP registration category for Sun 02 June 2024 (IESS settlements commencement). This does not impact their NCC which will remain as NREG.</p>	No change to application of non-registered NMI Classification Codes (LARGE, SMALL, NREG) which continue to be applied by LNSP

NCC TRANSITION PLAN SCOPE

In scope

- Transition of registered distribution-connected generating units (and generation side of distribution-connected storage) from NMI Classification Code of GENERATR to DGENRATR.

Out of scope

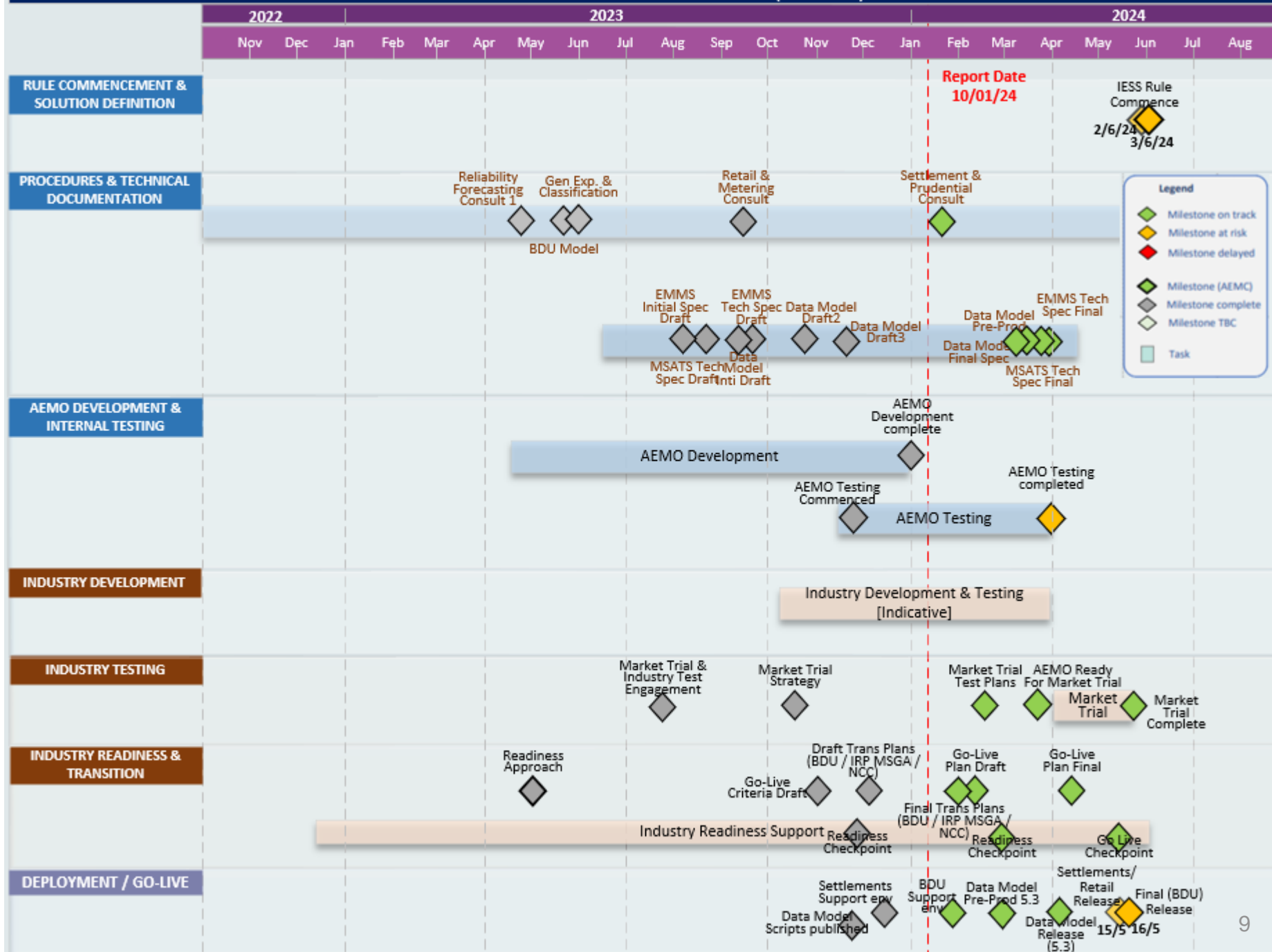
- Transition of integrated resource systems to DIRS and TIRS codes:
 - For existing facilities, this is managed through the BDU transition plan
 - For future facilities, this is managed as part of the BAU registration process

DGENERATR TRANSITION PLAN



#	AEMO ACTIONS	INDUSTRY IMPACTS & ACTIONS	PLANNED (MARKET) TIME	COMMUNICATION CHANNEL
TRANSITION PLANNING				
1	AEMO to identify distribution-connected generators (currently around 180)	No action required	Nov 2023	n/a
2	AEMO to engage with affected participants and the Implementation Forum on the DGENERATR transition plan i.e. what is changing and why; and when and how those changes will occur.	Participants can choose to provide feedback on the DGENERATR transition plan	Early Dec to late Jan	<ul style="list-style-type: none"> Email to NEM Reform Implementation Forum members and affected Participants
PREPARE PRE-PRODUCTION ENVIRONMENT				
3	AEMO to update and validate NMIs with DGENERATR code in pre-production by using the “bulk change tool”.	<ul style="list-style-type: none"> No action required Affected participants can choose to request a list of their NMIs that will be changing from GENERATR to DGENERATR via iess@aemo.com.au. Please note that there may be some delay in receiving the list because creating it is a manual process. 	Early April 2024, aligning with phase 1 of IESS market trial*	n/a
4	AEMO to notify affected participants of NCC change in pre-prod	Affected participants can choose to undertake test activities against the new NCC. See <i>IESS Industry testing and market trial plan</i> for details of the testing that will be available.	Early April 2024, aligning with phase 1 of IESS market trial*	<ul style="list-style-type: none"> CR notification to all roles on the NMI (MC, MDP, MP, FRMP, LNSP) Email to NEM Reform Implementation Forum members and affected Participants
5	INDUSTRY TESTING AND MARKET TRIAL COMMENCES IN PRE-PRODUCTION		Tue 02 Apr 2024	<ul style="list-style-type: none"> Email to NEM Reform Implementation Forum members and affected Participants
PREPARE PRODUCTION ENVIRONMENT				
6	MSATS release	No action required	TBC for Sun 02 Jun 2024	<ul style="list-style-type: none"> Support Hub notification NEM program notifications
7	IESS SETTLEMENT CHANGES GO-LIVE		Sun 02 Jun 2024	<ul style="list-style-type: none"> Support Hub notification Email to NEM Reform Implementation Forum members and affected Participants
8	AEMO to update and validate NMIs with DGENERATR code in production	No action required	Update on Mon 03 Jun 2024 retrospective to Sun 02 Jun 2024	n/a
9	Notifications sent to affected market participants	Affected participants accommodate new NCC in their NEM activities	Mon 03 Jun 2024	<ul style="list-style-type: none"> CR notification to all roles on the NMI (MC, MDP,MP, FRMP, LNSP) Email to NEM Reform Implementation Forum members and affected Participants

TIMELINE



TIMELINE

IESS Project - Level 1 & 2 Milestones (External)

Level	Milestone ID	Milestone	Target Date	Expected Date	RAG	Tentative / Confirmed	Comments
	IES-313	BDU Participant Development Support Environment available	22-Jan-2024		Green	Confirmed	
	IES-314	Settlements & Prudentials Procedures published	29-Jan-2024		Green	Confirmed	
	IES-315	Transition Plan Final (BDU / IRP MSGA / NCC)	31-Jan-2024		Green	Confirmed	Draft Published 1/12
	IES-316	Market Trial Test Plan complete	16-Feb-2024		Green	Confirmed	
	IES-317	Industry Go-Live Plan Draft published	26-Feb-2024		Green	Confirmed	
	IES-218	EMMS Data Model 5.3 Released to Pre-Production	27-Feb-2024	13-Mar-2024	Amber	Confirmed	Milestone adjusted to accommodate planned pre-prod refresh for IESS Market Trial
Level 1	IES-318	Initiative Readiness Checkpoint	1-Mar-2024		Green	Confirmed	
Level 1	IES-319	EMMS Data Model 5.3 final specification available	12-Mar-2024		Green	Confirmed	
Level 2	IES-107	AEMO Development & Testing complete	28-Mar-2024		Amber	Confirmed	Compressed Quality Assurance timeline.
	IES-320	AEMO Ready for Market Trial	2-Apr-2024		Green	Confirmed	
Level 1	IES-321	MSATS Technical Specification final available	2-Apr-2024		Green	Confirmed	
	IES-322	EMMS Settlement Technical Specification final	2-Apr-2024		Green	Confirmed	
	IES-108	Market Trial start	2-Apr-2024		Green	Confirmed	
Level 2	IES-219	EMMS Data Model 5.3 Released to Production	10-Apr-2024		Green	Confirmed	
Level 1	IES-214	Reliability Forecasting Consultation finalised			N/A	Confirmed	Minor and/or Administrative change. No participant impact
Level 2	IES-323	Settlement Certification complete	19-Apr-2024	29-Apr-2024	Amber	Confirmed	Minor schedule update, Solution Readiness not impacted, issues if any to be remediated prior go-live decision,
Level 2	IES-324	Industry Go-Live Plan Final published	19-Apr-2024		Green	Confirmed	
	IES-325	Go-Live Checkpoint	1-May-2024		Green	Confirmed	
	IES-326	Market Trial complete	24-May-2024		Green	Confirmed	
	IES-220	IESS Settlements Go-Live	2-Jun-2024	15-May-2024	Amber	Confirmed	Deployment of code prior to rule commencement. Reflects current scheduling. Amber reflection of overall schedule
Level 2	IES-327	Rule Commencement Date - Settlements (NECR)	2-Jun-2024		Amber	Confirmed	Reflects compressed schedule
Level 2	IES-221	IESS BDU Go-Live	3-Jun-2024	16-May-2024	Amber	Confirmed	Deployment of code prior to rule commencement. Reflects current scheduling. Amber reflection of overall schedule
	IES-109	IESS Final Release (BDU) - Rule Commencement	3-Jun-2024		Amber	Confirmed	Reflects compressed schedule

IESS GLOSSARY

TERM	DEFINITION
ASL	Ancillary service load
ASU	Ancillary service unit
B2B	Business-to-business
B2M	Business-to-market
BDU	Bidirectional unit
BESS	Battery energy storage system
CR	Change request
CRMP	Cost recovery market participant
DRSP	Demand response service provider
DUID	Dispatchable unit identifier
FRMP	Financially responsible market participant
IESS	Integrating Energy Storage Systems rule
IRP	Integrated resource provider
IRS	Integrated resource system
LNSP	Local network service provider
MC	Metering coordinator

TERM	DEFINITION
MDP	Metering data provider
MP	Metering provider
MSATS	Market settlements and transfer solutions
MSGA	Market small generation aggregator
NCC	NMI classification code
NECR	Non-energy cost recovery
NEM	National electricity market
NEMDE	National electricity market dispatch engine
NMI	National metering identifier
PAE	Profiling and allocation engine
PASA	Projected assessment of system adequacy
PD	Pre-dispatch
PMS	Portfolio management system
SCADA	Supervisory control & data acquisition
SoC	State of charge
UFE	Unaccounted for energy



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