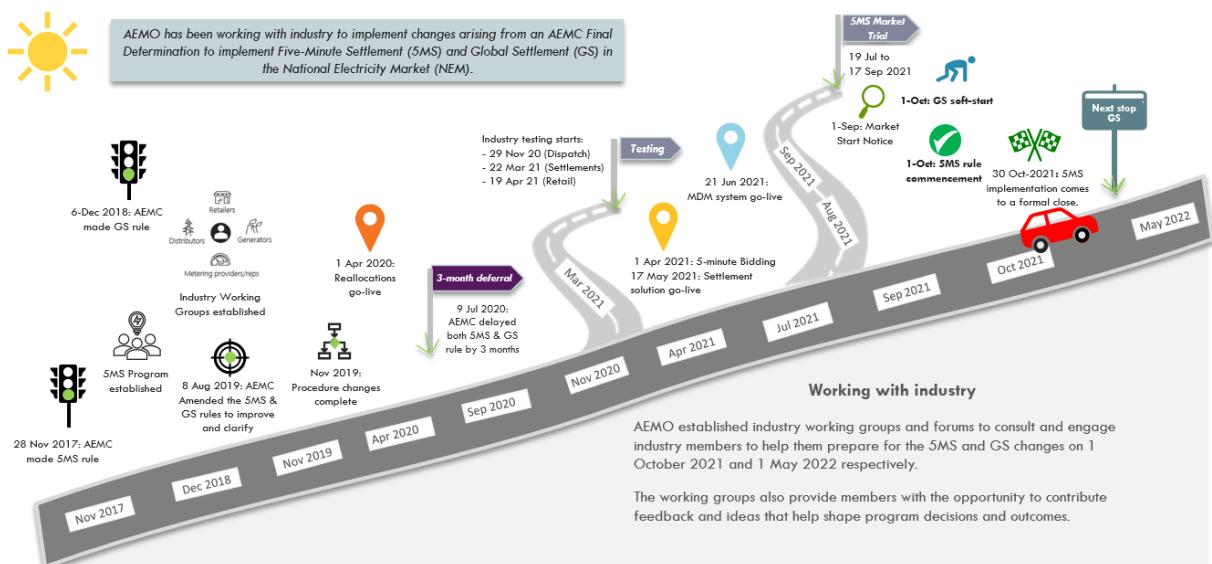


# The 5MS Journey



## 5MS rule and implementation program established



The Australian Energy Market Commission (AEMC) made the [Five-Minute Settlement \(5MS\)](#) rule in November 2017 and AEMO's 5MS implementation program (5MS Program) began in early 2018. In December 2018, the AEMC introduced the [Global Settlement \(GS\)](#) rule. AEMO decided to manage the 5MS and GS changes as one integrated program under the 5MS Program.

The first few years of the program were focused on establishing industry working groups, getting further clarity on the 5MS rules and reviewing and updating procedures.

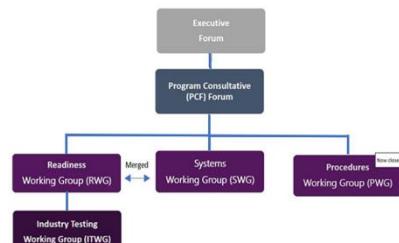
## Industry working groups – a mutually beneficial arrangement

A range of industry working groups were established to consult and engage industry members to help them prepare for the 5MS changes. The working groups also gave members the opportunity to contribute feedback and ideas that helped shape program decisions and outcomes.

Each working group reported into to the Program Consultative Forum (PCF) and Executive Forum (EF) respectively. These forums provided the senior management and executive oversight and input required to manage escalations and provide direction.

Soon after the launch of 5MS within the NEM, the 5MS working groups and forums came to a formal close.

## Market readiness strategy and reporting



In October 2019, AEMO published a 5MS and GS Market Readiness Strategy that incorporated feedback from industry stakeholders. The strategy was the overarching plan for managing, monitoring and reporting on both AEMO's and NEM participants' operational preparedness for 5MS.

A key element of AEMO's readiness approach involved issuing Industry Readiness Surveys at regular intervals to capture the readiness status and progress of each participant type. Over the 5MS implementation lifecycle, AEMO distributed, and published the results of, 12 Industry Readiness Surveys (includes 3 special or interim rounds).



### *First 5MS system deployed*

On 1 April 2020, AEMO implemented its first 5MS system - Reallocations. This functionality gave the market participants who registered for this service the ability to submit their Reallocations at five-minute intervals for any given period after 1 October 2021. The Reallocation changes also included a new user interface (UI) and other new or enhanced features.

### *5MS deferred by 3 months*

On 9 July 2020, the AEMC determined that the commencement of the 5MS and GS rules should be delayed by 3 months due to the impact of the COVID-19 pandemic on industry. The new commencement date for 5MS was 1 October 2021, and for GS 1 May 2022.



*Aug 2020 – Jun 2021*

### *Industry testing and three more 5MS system deployments*

Industry testing for 5MS was a key component of market readiness and it took place between November 2020 and April 2021. This testing activity gave participants an opportunity to test their market-interfacing business systems against updated procedures and upgraded market systems within AEMO's pre-production environment.

From April 2021 to June 2021, a further three 5MS systems went live in AEMO's production environment – 1 April 2021: 5-minute Bidding; 17 May 2021: Settlements platform, and 21 June 2021: Retail (MDM) system.

The Bidding go-live represented the formal start of the bidding service transition to five-minute settlement in preparation for rule commencement and included the release of: 5MS API, FTP JSON, and web bidding. The 5MS Settlements platform introduced web changes, new APIs and new look invoices and statements. It also involved the migration of settlement schemas. The Retail release was AEMO's final core 5MS system release and the functionality delivered was in 30-minute mode, with 5-minute reads supported.



*Jul 2021 – 30 Oct 2021*

The final phase of the 5MS journey involved formalising testing activities with a Market Trial, and reconfirming the 5MS 1 October 2021 commencement date via the 5MS Start Notice and the [AEMC's Final Determination](#).

Market Trial was conducted from 19 July to 17 September 2021 and consisted of multi-party end-to-end testing of business process scenarios, which was coordinated and led by AEMO. This activity demonstrated that participants were able to execute all the critical business functions required to support 5-minute settlement in the NEM.

### *Precautionary rule change request, 5MS Start Notice and the AEMC's Final Determination*

On 5 August, the AEMC published AEMO's precautionary rule change request, which was a request for the AEMC to consider alternative 5MS rule commencement dates. This submission was issued as an insurance policy against any issues arising that would comprise the scheduled 1 October 2021 start date.

On 1 September, after a thorough risk assessment, AEMO issued a 5MS Start Notice that constituted a recommendation to the AEMC to proceed with 5MS (and GS soft-start) rule commencement on 1 October 2021.

On 9 September 2021, the AEMC made a [Final Determination](#) in line with AEMO's recommendation, confirming 1 October 2021 as the date the 5MS and GS soft-start rules will take effect.

### *5MS Cut-over*

The 5MS cut-over commenced at 19:30 AEST on Thursday 30 September 2021 and went for approximately four hours. The cut-over to enable 5MS to commence in the NEM was successful with no major issues reported. Bidding successfully transitioned to five-minute profile acceptance at midnight, and the retail platform outage was completed on time at 23:30 AEST, allowing the resumption of B2M and B2B processing.

A 5MS Support Room was available from 23:30 AEST on 30 September to assist participants during and immediately after the cut-over. This provided participants with visibility of the cut-over progress and any issues that emerged from an AEMO or participant perspective.

### *GS soft-launch*

In addition to 5MS going live in the NEM on 1 October, AEMO also began reporting on unaccounted for energy (UFE) values as part of the global settlement (GS) soft-start, with full GS changes set to go-live on 1 May 2022. Refer to the GS web pages for further details.

### *Post Go-live Support Arrangements*

After 1 October, 5MS rule commencement, the 5MS implementation entered into a four week post implementation phase. In this phase there was a heightened level of support including daily updates to the issue log and initially daily Question and Answer (Q&A) sessions that progressively reduced from mid-October to December. For more details, refer to the [Participant support arrangements](#) page.

### *Project closure*



On the 30 October, the 5MS Program formally handed over responsibility for 5MS to AEMO's business as usual (BAU) teams. Participants were advised to direct all 5MS queries to the relevant AEMO BAU team or the AEMO Support Hub.

### *Deactivation of 5MS mailbox and archiving 5MS website*

The closure of the 5MS implementation has resulted in the deactivation of the 5MS project mailbox and the archiving of the original 5MS program website.

However, access to this site is available for historical purposes via the Five Minute Settlement Archive. Please note that all content on the site is a point in time reference and will no longer be updated.