NEM B2B Issue-Change Form

ISSUE / CHANGE FORM – SUMMARY SECTION
(Template focuses on issue/change identification and impact.)

Issue Number (IEC Secretariat to complete)			
Version #			
Proponent Name	Paul Greenwood	**Company**	Vector Metering
Proponent Title	Industry Development Lead	**Proponent Contact No**	0404046613
Proponent email	paul.greenwood@vectormetering.com	**Date lodged with IEC**	
Procedure(s) or other documents Impacted	☐ B2B Procedure Customer and Site Details Notification Process ☐ B2B Procedure Service Order Process ☐ B2B Procedure Meter Data Process ☒ B2B Procedure One Way Notification Process ☐ B2B Procedure Technical Delivery Specification ☐ NEM RoLR Processes Part B ☒ B2B Guide ☐ Other, please specify:		
Areas Impacted	(I.e. Section No.) B2B Procedure One Way Notification Process		
Short Description / Title	Shared fuse – Communicate Shared Fuse Indicator via OWN		
Other key contact information			

VERSION #	PRESENTED TO	DATE

ISSUE / CHANGE – DETAILED REPORT SECTION

1. Detailed description of Issue / Change	As a result of the MC Planned Interruption Rule change new obligations were introduced for Retailers and MC's to provide information to the DNSP regarding the shared fuse status at a site. Typically, the MC will need to communicate this after the MC (or MC's agent) has attended a site to undertake metering work. Work to date has explored several mechanisms to efficiently communicate this information but no suitable mechanism has been agreed. It is expected that this transaction will be high volume due to the initial value of the Shared Fused indicator in MSATS being set to 'U'nknown as part of the MSDR project. This means that every meter exchange attempt (successful or not) will generate this information flow. Over the course of the next few years it is expected that 5.5 million transactions will flow between MC's and DNSP. An interim process has been established under an agreement between MC's and DNSP's to cater for the situation where the MC attends the site and cannot complete the work. This involves sending .csv files via email and due to the expected high volume of transactions required is not suitable as a the long term solution. While retailers do have the same obligations as MC's to communicate shared fuse status of the site, it is expected that it will be rare that the retailers will need to send this transaction as retailers are not in a position to determine the Shared Fuse status. The Shared Fuse states that a NMI can be in are: 'N' – Not Shared Fuse 'I' – Shared Fuse but can be isolated independently 'Y' – Shared Fuse In developing this ICF a number of proposals were considered by the B2BWG. These included: 1) Maintaining the current interim process for sites visited where metering could not be completed and for DNSP's using exiting signals to infer the Shared Fuse arrangements, such as receiving a Notice of Metering Work (NOMW) which would imply that the MP was successful in isolating a site which implies that this was not in a Shared Fuse arrangement – This was not agreed as DNSP's requested explicit instruction as the each premises Shared Fuse status after the MP has visited the site. 2) Maintaining the current interim process for sites visited where metering could not be completed and enhancing the NOMW process to include Shared Fuse information where metering

	would could be completed – This was not agreed as DNSP's requested a single transaction to advise them of the Shared Fuse arrangement. 3) Enhancing the existing Meter Fault and Issues Notification (MFIN) transaction to be used to communicate the Shared Fused arrangements. This would require adding new values to an existing enumerated list that can be used to indicate to the recipient the SF status ('N','I' or 'Y'). This was seen as a low cost change for both AEMO and the MP's as the transactions already existed and would require minor change and MP's already generate this under BAU scenarios. This was preferred by AEMO and the Metering Providers however this solution was not agreed because the DNSP's believed this would broaden the use of the MFIN and would introduce confusion regarding its purpose. Therefore, this change proposes that a new formal B2B OWN transaction be added to the schema to allow the initiator to provide Shared Fuse arrangements as required by the Rules and CATS Procedures.
2. Market Impact	• AEMO will need to create a new aseXML OWN transaction – SharedFuse - in the schema to carry this information. • The MC, MP or Retailer who plans to use this transaction will need to develop new processes to generate the SharedFuse transaction with an appropriate aseXML code to indicate the status of the Shared Fuse for the Connection Point NMI. • The DNSP will need to develop new processes to receive and process the SharedFuse transaction to update their systems.
3. Requirements / Specific Proposal	• AEMO will need to create a new aseXML OWN transaction in the schema to carry this information. • The MC,MP or Retailer will need to generate the new OWN with an appropriate code to indicate the status of the Shared Fuse indicator for each NMI. • The DNSP will need to ingest the new OWN transaction to update their systems. • Any enumerations for this OWN should be held outside the schema.
4. Proposed Solution/s	(Must address the B2B Procedures) B2B Procedure One Way Notification Process – new SharedFuse transaction is to be created to communicate Shared Fuse indicator. (Refer to attachment B.) B2B Guide to be updated to describe when this transaction is expected to be sent.
	(Must address head of power in governing law/rule)

5. Law/Rule and clauses enabling change	Section 7.17 Part H B2B Requirements – National Electricity Rules (NER).
6. B2B communication benefits	(Must address B2B Principles) B2B Principles B2B Procedures should: • provide a uniform approach to B2B Communications in participating jurisdictions; • detail operational and procedural matters and technical requirements that result in efficient, effective and reliable B2B Communications; • avoid unreasonable discrimination between B2B Parties; and • protect the confidentiality of commercially sensitive information. The proposed change supports the following B2B principles: • provide a uniform approach to B2B Communications in participating jurisdictions. • detailed operational and procedural matters and technical requirements that result in efficient, effective, and reliable B2B communications by establishing a mechanism for efficiently communicating shared fuse information is a consistent and reliable manner.
7. Market benefits for industry as a whole	(Must address National Electricity Objective and/or National Energy Retail Objective requirements) NEO: the objective of this Law is to promote efficient investment in, and efficient operation and use of, electricity services for the long term interests of consumers of electricity with respect to: (a) price, quality, safety, reliability, and security of supply of electricity; and (b) the reliability, safety and security of the national electricity system. NERO: The objective of this Law is to promote efficient investment in, and efficient operation and use of, energy services for the long term interests of consumers of energy with respect to price, quality, safety, reliability and security of supply of energy. The proposed change will allow Initiators to provide to Recipients with the information in an efficient and consistent manner.
8. Customer benefits (consumers)	From May 2022, DNSP are required to update this information in MSATS allowing Retailers to advise customers of the presence of Shared fusing and setting expectations that longer lead times for meter exchanges are required.
9. Consequence/Impact of issue not proceeding	Interim processes will remain. Communication will be via email and .csv file. High volume transactions not suitable for Email and CSV. Until there is a change to the procedures there is no regulatory obligation on the method that this information should be provided. Participants will meet their rules obligations in ways that best meet their business needs.
10. Workaround/s (if necessary)	

11. Supporting Documentation (attach if necessary)	Please refer Attachment A.
12. Any critical timelines to consider?	ASAP – using interim process for high volume transactions is not suitable.
13. IEC's preliminary assessment of the proposal	(This is to be left blank)

NEM ISSUE / CHANGE – RELEVANT ATTACHMENT(S)

ATTACHMENT A

Proposed changes: {*Procedure Name*}
~~Red strikeout~~ means delete and
blue underline means insert

New Transaction - SharedFuse transaction

Field	Format	Use	Definition
NMI	CHAR(10)	M	*NMI* where the Shared Fuse state has been determined or changed
NMIChecksum	CHAR(1)	O	*NMI* Checksum for the *NMI.*
Date	DATE	M	The date of the *shared Fuse* state was identified by the Initiator.
SharedFuseInd	CHAR(1)	M	• Y (Y = Shared Fuse. Use to communicate to a recipient that the NMI cannot be isolated without interrupting supply to other NMI's) • I (I = Shared Fuse but can be isolated independently. Use to communicate to a recipient that the NMI is part of a shared fuse but can be isolated without interrupting supply to other NMI's) • N (N = Not Shared Fuse. Use to communicate to a recipient that the NMI is not part of a shared fuse arrangement)