NEM B2B Issue-Change Form

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

Issue Number (IEC Secretariat to complete)	B004/22		
Version #	0.1		
Proponent Name	Mark Riley	**Company**	AGL
Proponent Title	Senior Industry Advisor	**Proponent Contact No**	0475 805 262
Proponent email	mriley@agl.com.au	**Date lodged with IEC**	28 November 2022
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.) Various sections in the: • Technical Delivery Specification Procedures • Service Order Procedures • Customer And Site Details Notification Process Refer to the 'Assessment of AS 4590 to B2B Usage' table at the end of this ICF for additional details.		
Short Description / Title	Alignment of B2B field lengths to the Australian Standard		
Other key contact information			

VERSION #	PRESENTED TO	DATE
0.1	*B2BWG*	*14th June 2022*

ISSUE / CHANGE – DETAILED REPORT SECTION

1. Detailed description of Issue / Change	The Business to Business (B2B) Technical Specification references the 1999 version of the Australian Standard (AS) for Interchange of Client Information (AS 4590). However, the gas and electricity schemas per se only reference the Australian Standard, assuming the latest version is in use. In 2017, AS 4590 included updates to some addressing fields, which extended some field lengths and changed some of the allowable enumerations. The most impactful change was the increase of the field lengths, as external agencies (e.g., local government) could use addressing details which would need to be truncated as part of the B2B processes. As this could lead to failed service orders or other customer issues, this ICF proposes that these fields be aligned to the current Australian Standard.
2. Market Impact	Potential impacts to AEMO and Participant market systems and processes.
3. Requirements / Specific Proposal	• Update the Technical Delivery Specification Procedures to reflect AS 4590 requirements • Update the schema to reflect the changed enumerations • Update the enumerations and place them in an externally managed file.
4. Proposed Solution/s	(Must address the B2B Procedures) Align the applicable B2B field lengths to the Australian Standard in the IEC Procedures and the B2B schema. Enumerations to be removed from the Schema and updated via an externally managed enumerations file.
5. Law/Rule and clauses enabling change	(Must address head of power in governing law/rule) NER 7.17.4(f)-(r) Changing the B2B Procedures: B2B Procedure change process

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 aforementioned B2B principles by ensuring alignment to AS 4590.
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. Reduction in manual email process performed by the retailers and distributors, whereby B2B field lengths might not be able to fully capture the details (e.g., Hazard information provided by the customer).
8. Customer benefits (consumers)	A better customer experience as retailers will be able to provide accurate and complete data to the other B2B parties, e.g., site hazard details.
9. Consequence/Impact of issue not proceeding	Customer provided data might continue to be incorrect or truncated.
10. Workaround/s (if necessary)	Manual email-based information provisioning.
11. Supporting Documentation (attach if necessary)	
12. Any critical timelines to consider?	Suggest this to be bundled with the next B2B schema release
13. IEC's preliminary assessment of the proposal	(This is to be left blank)

Assessment of AS 4590 to B2B Usage

B2B SECTION	STANDARD	USAGE	EXTRACT	FIELD	COMMENT	SCHEMA / ENUMERATIONS FILE
3.2	AS4590-1999	Person Name legal definition	16. PERSONNAME Defines a person's legal name as per AS4590-1999. See Section 3.5.		Remove from Technical Specification – Also defined in schema by standard without year Needs to be flexible	
3.2	AS 4590-2006	Business Name	17. BUSINESSNAME Defines a business name as per AS4590-2006. This is a 200 character alpha-numeric field.	VARCHAR(200)	Remove from Technical Specification – Also defined in schema by standard without year Needs to be flexible to accommodate relevant business names	
3.2	AS4590-1999	Telephone	20. TELEPHONE Defines a person's Australian telephone service number as per AS4590-1999. See Section 3.6.		Remove from Technical Specification – Also defined in schema by standard without year Note – 1. had previously been updated 2. Is defined as Australian Phone Number This may be an issue as this field needs to be flexible	

B2B SECTION	STANDARD	USAGE	EXTRACT	FIELD	COMMENT	SCHEMA / ENUMERATIONS FILE
3.4	AS4590-1999	Flat or Unit Type	FlatOrUnitType VARCHAR(4) R Code that defines the type of flat or unit as per Australian Standard AS4590-1999. Allowable codes include: APT, CTGE, DUP, FY, F, HSE, KSK, MSNT, MB, OFF, PTHS, RM, SHED, SHOP, SITE, SL, STU, SE, TNHS, U, VLLA, WARD, WE	VARCHAR(4)	1991 Standard has changed See Appendix I New list more extensive Should be updated to new standard	
3.4	AS4590-1999	Flat or Unit Number	FlatOrUnitNumber VARCHAR(7) R Defines the flat or unit number as per Australian Standard AS4590-1999.	VARCHAR(7)	Remove from Technical Specification – Also defined in schema by standard without year Needs to be flexible	
3.4	AS4590-1999	Floor or Level Type	FloorOrLevelType VARCHAR(2) R Code that defines the floor or level type as per Australian Standard AS4590-1999. Allowable codes include: B, FL, G, LG, M, UG.	VARCHAR(2)	1991 Standard has changed See Appendix II New list more extensive Should be updated to new standard	
3.4	AS4590-1999	Floor or Level Number	FloorOrLevelNumber VARCHAR(5) R Defines the floor or level number as per Australian Standard AS4590-1999.	VARCHAR(5)	Remove from Technical Specification – Also defined in schema by standard without year	

B2B SECTION	STANDARD	USAGE	EXTRACT	FIELD	COMMENT	SCHEMA / ENUMERATIONS FILE
3.4	AS4590-1999	Building or Property Name	BuildingOrPropertyName VARCHAR(30) R Defines the building or property name as per Australian Standard AS4590-1999. This field may occur up to two times.	VARCHAR(30)	Remove from Technical Specification – Australian Standard 4590 now defined this as 'Address Site Name' and has a field length of 50 (not 30)	
3.4	AS4590-1999	Location Description	LocationDescriptor VARCHAR(30) R Defines the location descriptor as per Australian Standard AS4590-1999. This is a catch-all field for non-standard address information.	VARCHAR(30)	Remove from Technical Specification – Australian Standard 4590 now has a field length of 50 (not 30)	
3.4	AS4590-1999	House Number	HouseNumber NUMERIC(5) IN RANGE: 0-99999 R Defines the house number as per Australian Standard AS4590-1999. The combination of House Number and House Number Suffix may occur up to two times.	Numeric(5)	Remove from Technical Specification – Australian Standard 4590 now: • has a field length of 6 not 5 and • has VARCHAR not Numeric, and • may include an alphabetic prefix and suffix - eg A1234 or 1234A	

B2B SECTION	STANDARD	USAGE	EXTRACT	FIELD	COMMENT	SCHEMA / ENUMERATIONS FILE
3.4	AS4590-1999	House Number Suffix	HouseNumberSuffix VARCHAR(1) R Defines the house number suffix as per Australian Standard AS4590-1999. The combination of House Number and House Number Suffix may occur up to two times. This field may only contain alphanumeric characters.	VARCHAR(1)	no longer used by AS4590	
Lot Number	AS4590-1999	Lot Number	LotNumber VARCHAR(6) R Defines the lot number as per Australian Standard AS4590-1999.	VARCHAR(6)	Remove from Technical Specification	
3.4	AS4590-1999	Street Name	StreetName VARCHAR(30) R Defines the street name as per Australian Standard AS4590-1999. The combination of Street Name, Street Type and Street Suffix may occur up to two times. This field may only contain letters, numbers, hyphens ('-') and spaces.	VARCHAR(30)	Remove from Technical Specification – Now defined as Road Name Australian Standard 4590 now has a field length of 45 (not 30)	

B2B SECTION	STANDARD	USAGE	EXTRACT	FIELD	COMMENT	SCHEMA / ENUMERATIONS FILE
3.4	AS4590-1999	Street Suffix	StreetSuffix VARCHAR(2) R A code that defines the street suffix as per Australian Standard AS4590-1999. Allowable codes include: CN, E, EX, LR, N, NE, NW, S, SE, SW, UP, W	VARCHAR(2)	Remove from Technical Specification – Now defined as Road Suffix Code Enumerations haven't changed	
3.4	AS4590-1999	Post Delivery Type	PostalDeliveryType VARCHAR(11) R A code that defines the postal delivery type as per Australian Standard AS4590-1999. E.g. CARE PO, CMA, CMB, CPA, GPO BOX, LOCKED BAG, MS, PO BOX, PRIVATE BAG, RSD, RMB, RMS	VARCHAR(11)	Remove from Technical Specification – Now defined as Road Suffix Code Enumerations haven't changed	
3.4	AS4590-1999	Post Delivery Number Prefix	PostalDeliveryNumberPrefix VARCHAR(3) R Defines the postal delivery number prefix as per Australian Standard AS4590-1999. This field may only contain a maximum of 3 capital letters.	VARCHAR(3)	Remove from Technical Specification – Now defined as Postal Delivery Number – length 11 – 3 alpha, 5 numeric, 3 alpha	

B2B SECTION	STANDARD	USAGE	EXTRACT	FIELD	COMMENT	SCHEMA / ENUMERATIONS FILE
3.4	AS4590-1999	Post Delivery Number Value	PostalDeliveryNumberValue NUMERIC(5) IN RANGE: 0-99999 R Defines the postal delivery number value as per Australian Standard AS4590-1999	Numeric(5)	Remove from Technical Specification – Now defined as Postal Delivery Number – length 11 – 3 alpha, 5 numeric, 3 alpha	
3.4	AS4590-1999	Post Delivery Number Suffix	PostalDeliveryNumberSuffix VARCHAR(3) R Defines the postal delivery number suffix as per Australian Standard AS4590-1999. This field may only contain a maximum of 3 capital letters.	VARCHAR(3)	Remove from Technical Specification – Now defined as Postal Delivery Number – length 11 – 3 alpha, 5 numeric, 3 alpha	
3.4	AS4590-1999	Locality	Locality (SiteAddressCity) VARCHAR(46) M Defines the suburb or locality as per Australian Standard AS4590-1999.	VARCHAR(46)	Remove from Technical Specification – Now defined as Road Suffix Code	
3.4	AS4590-1999	Site Address State	SiteAddressState VARCHAR(3) M A code that defines the state as per Australian Standard AS4590-1999. E.g. AAT, ACT, NSW, NT, QLD, SA, TAS, VIC, WA.	VARCHAR(3)	Remove from Technical Specification – Now defined as Road Suffix Code Enumerations have changed OTH replaces AAT (Australian Antarctic Territory)	

B2B SECTION	STANDARD	USAGE	EXTRACT	FIELD	COMMENT	SCHEMA / ENUMERATIONS FILE
3.4	AS4590-1999	Site Address Postcode	SiteAddressPostcode CHAR(4) M Defines the postcode as per Australian Standard AS4590-1999. This field may only contain 4 numbers.	CHAR(4)	Remove from Technical Specification No changes	
3.4	AS4590-1999	Site Address DPID	SiteAddressDPID NUMERIC(8) IN RANGE: 10000000 - 99999999 R Defines the delivery point identifier as per Australian Standard AS4590-1999	NUMERIC(8)	Remove from Technical Specification No changes	
3.5	AS4590-1999	Person Name Title	PersonNameTitle VARCHAR(12) M Defines a person's title as per Australian Standard AS4590-1999	VARCHAR(12)	Already amended to AS 4590-2017 in upcoming release Propose remove reference to Australian Standard	
3.5	AS4590-1999	Person Given Name	PersonNameGiven VARCHAR(40) M Defines a person's given name as per Australian Standard AS4590-1999	VARCHAR(40)	Already amended to AS 4590-2017 in upcoming release Propose remove reference to Australian Standard	
3.5	AS4590-1999	Person Family Name	*PersonNameFamily* VARCHAR(40) M Defines a person's family name as per Australian Standard AS4590-1999	VARCHAR(40)	Already amended to AS 4590-2017 in upcoming release Propose remove reference to Australian Standard	

B2B SECTION	STANDARD	USAGE	EXTRACT	FIELD	COMMENT	SCHEMA / ENUMERATIONS FILE
3.5	AS4590-1999	Person Name Suffix	PersonNameSuffix VARCHAR(12) O Defines a person's name suffix as per Australian Standard AS4590-1999	VARCHAR(12)	Already amended to AS 4590-2017 in upcoming release Propose remove reference to Australian Standard	
3.5	AS4590-1999	Person Name Type	*PersonNameType* VARCHAR(3) M Defines the types of people's names as per Australian Standard AS4590-1999. Implemented as an attribute of PersonName LGL, MDN, BTH, TRB, PRF, AKA, XFR, STG	VARCHAR(3)	PBN Professional or business name PRV Previous name PRF Preferred name TRB Tribal name age has changed for	
3.6	AS4590-1999	Telephone Prefix	Prefix VARCHAR(4) M Defines Australian telephone number prefix as per Australian Standard AS4590-1999	VARCHAR(4)	Remove from Technical Specification – doesn't clearly include country code	
3.6	AS4590-1999	(Telephone) Number	Number VARCHAR(15) M Defines Australian telephone number as per Australian Standard AS4590-1999	VARCHAR(15)	Remove from Technical Specification – Now defined as Number Australian Standard 4590 now has a field length of 16 (not 15)	