

MSATS SPECIFICATION

RETAIL TRANSFER STATISTICAL DATA

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Version Control

VERSION	DATE	DETAILS
MT_RT13433v004	02 Apr 2002	This document describes the statistics published each month that were sourced from the Metering Administration System (MAS). It describes all statistics produced up from 01-Jul-1998 to 12-Jan-2002. It supersedes the document MT_RT1333v002 but the only change from the older version is to note that the document only describes the statistics reported up to 12-Jan-2002.
MT_RT1333Bv001	02 Apr 2002	This document explains what is included in the statistics published from 13-Jan-2002 to 23-June-2003. These statistics are from MSATS.
MT_RT1333Cv001	24 Jun 2003	This document explains what is included in the statistics published from 24-Jun-2003 onwards. These statistics are from MSATS This document supersedes the document MT_RT1333BV001.
MT_RT1333Cv002	30 Nov 2007	This document supersedes the document MT_RT1333CV001. SA data became Public from October 2006.
MT_RT1333Cv003	11 Jun 2009	This document supersedes the document MT_RT1333CV002 and includes the new transfer statistic items M57, M57A and M57B.
MT_RT1333Cv003.1	20 Aug 2009	Minor updates to reflect the change in governance from NEMMCO to AEMO. No content change.
MT_RT1333Cv003.2	24 Mar 2011	This document supersedes the document MT_RT1333CV003.1 and provides information on the changes to the method and layout of the statistics.

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Introduction

Prior to the start of Full Retail Competition (FRC) NEMMCO regularly posted data on its web site that contained statistics on retail transfers. These statistics were based on data taken from NEMMCO's Metering Administration System (MAS).

MAS was replaced on 13 January 2002 by MSATS (NEMMCO's Market Settlement and Transfer Solution), the new system developed to support FRC.

Following requests from Jurisdictions, Participants and Service Providers, AEMO publishes the numbers of retail transfers registered in MSATS.

Consultation was carried out and comments were received from various interested parties on the proposal of publishing this retail transfers data. After incorporating the comments from the interested parties, the retail transfers data that is published is defined in this document.

This document specifies how the retail transfers statistical data is counted and represented from 24 June 2003 onwards. Section 3 defines the new statistics codes. Mapping between the old and new statistics codes is explained in section 4.

From July 2009 the data is published on AEMO's web site on a **monthly basis**.

1. Overview

In the previous system that was used to manage retail transfers (MAS) only connection points that were transferring to another retailer were registered.

In MSATS, because of a requirement to support NMI Discovery in NSW, Victoria, ACT, QLD (Energex Network Only) and SA, all NMIs in those jurisdictions are held, whether they are Tier 1 or Tier 2. For Ergon network in QLD and in Tasmania where there is no FRC, a similar business process is being used as was used in the past. NMIs are only loaded into MSATS when they transfer.

The processes that are the basis for the counting of the statistics described in this document look for any MSATS Change Requests where either a Financially Responsible Market Participant (FRMP), which is the consumer's retailer, or the Local Retailer (LR), is identified. The Change Requests on which either a FRMP and/or a LR are identified cover eight basic business process:

1. Change of Retailer
2. Creation of a NMI
3. Change of Local Retailer
4. Corrective action to backdate information about a NMI (taken by AEMO)
5. Invoke ROLR
6. Change of Secondary Parent FRMP for an Embedded Network
7. Change of Local Retailer – Child NMI in an Embedded Network
8. Management of External Profile Shapes

The most common business processes that will form the basis of these statistics are Types 1 and 2. Types 3 - 7 are rare and there are no Type 8 transactions at present.

MSATS defines a:

- **Tier 1** NMI as one where, on the date being reported, the FRMP participant id and the LR participant id were the same participant id; and a
- **Tier 2** NMI as one where, on the date being reported, the FRMP participant id and the LR participant id were not the same participant id.

For each change request that either was completed on the date being reported or was in progress, the statistics processing identifies what the NMI's current tier status is (by checking the existing master records for the FRMP and LR) and what it has either just become (for completed transactions) or will become (for in-progress transactions) once the change request is completed.

If the change request is to create a NMI (i.e. there is no existing master record), for the purposes of this report, its existing status is assumed to be Tier 1.

The numbers of transferred consumers reported in the statistics (except for the new statistics M57 and M57A) represent the number of completed change requests in MSATS for a change of retailer Participant ID or to create a new second tier connection point. The statistics do not necessarily indicate a churn from one company to another as they are dependent on the number of Participant ids that a company has in MSATS. Some of these statistics do include transfers between Participant ids that are owned by the same company.

In December 2008, the Information Exchange Committee (IEC) and Retail Market Executive Committee (RMEC) noted changes associated with NEMMCO's reporting on consumer transfer statistics that indicate (to industry and jurisdictions) the number of consumer (NMIs) transferring between retailers. The committees noted that a number of factors had emerged that impact the interpretation of the reported statistics (e.g. mergers and acquisitions, different company ABNs, movements between the same retailer, IT systems limitations).

The IEC and RMEC endorsed the Business Process and Data Reference Group (PDRG) proposal to provide a new statistical report that rolls statistics up to corporate company level (rather than at a Participant ID), with the flexibility to allow participants to request additional participant IDs be included and be added to an existing company for reporting purposes.

The new consumer transfer statistic M57 is based on the current M47 Participant ID statistic however references Company ID. This essentially means that all Participant ID based statistics are rolled up into Company ID if multiple Participant IDs share the same Company ID. Where the previous Company ID is the same as new Company ID, a transfer has been made from one participant ID to another Participant ID which belongs to the same Company.

The new consumer transfer statistic M57A measures a change in Financially Responsible Market Participant (FRMP) where the previous FRMP belongs to a different corporation. Therefore transfers between different Participant IDs of the same company or corporation (where participants have requested additional participant IDs across different Company IDs be grouped together) are not measured (included).

The new consumer transfer statistic M57B (which is a summation of the M57A statistic by jurisdiction and nmi classification) is used for transfer data published on the website from 1 June 2009 (i.e. they are included in the May 2009 report. Note that in the May 2009 report, the historical values have been recalculated from 1 July 2007 using the new statistic). For this new statistic, a transfer is defined as a change in Financially Responsible Market Participant (FRMP) where the previous FRMP belongs to a different company or corporation (where participants have requested additional participant IDs across different Company IDs be grouped together). Therefore transfers between different Participant ids of the same organisation are not measured.

Please note that as a result:

- the new statistic may not reflect all consumer transactions taking place in MSATS
- the definition of Company ID and Participant ID may still not completely reflect the accurate ownership structure due to different ACNs used by an organisation.

Since the inception of these monthly statistics, the process has been managed manually by AEMO Metering & Settlements staff. In mid 2010 AEMO embarked on a project to fully automate the collection and distribution of the monthly statistics. Along with the input and co-operation of jurisdictions a review of the data that is being provided was reviewed to check that it still met market and jurisdictional requirements.

As a result of this review and the changes to the processing of the monthly statistics, a number of changes in the layout of the data being provided have been identified. The updated statistics will be released commencing from the March 2011 reporting period

Changes

The following items will no longer be reported on and provided;

1. The provision of Jurisdictional NMI Discovery data
“CATS_NMI_Discovery_Jurisdiction xxx_mmmmyyyy.xls”
2. The current practice of providing individual jurisdiction transfer data
“C5_xxx_mmmmyyyy.xls” with graphs will also cease.

Each month commencing with the March 2011 statistics, AEMO will provide for public release via the AEMO website, a single .pdf summary document and two .csv files

The .pdf file will include;

1. A table of summary statistics for NSW, QLD, VIC & SA provide the following;
 - 1.1. One month annualised transfer rate
 - 1.2. Total consumers transferred in the NEM to date (including preceeding month)
 - 1.3. Number of small consumer transfers in progress at month end (including preceeding month)
 - 1.4. Small consumer transfers completed in the reporting month
2. A graph showing the Small Monthly Consumer transfers over a 2 year rolling window per NEM jurisdiction.
3. A graph showing the Historical Monthly Annualised Transfer Rate over a 3 year rolling window per NEM jurisdiction.
4. A graph showing the Total Number of National Metering Identifiers (NMIs) since Jan 2002 per jurisdiction

The .csv files will be;

1. “cats_cr_csv_yyyymm.csv”

This file will replace the previous file “stats_running_total_mmmmyyyy.xls” and continues to provide the total numbers per month of the various change requests submitted to MSATS. The format of this file is different to the historically provided file, however the data remains the same.

2. “Public_Jur_Data_csv_yyyymm.csv”

This file will replace the previous file “WebData_C5_Public_mmmmyyyy.csv” and continues to provide the M2, M22, M23, M28, M30, M31, M32, M4, M42, M43, M50, M52, M53, M54, M57B & M6 statistics.

Retail Transfer Statistical Data (MSATS) – Specification

The table below lists each of the MSATS Change Reason Codes (CR Code) that allow the specification of a FRMP and/or LR. For more information about each of these Change Reason Codes refer to the *MSATS Procedures*. See also Section 5 of this document 'Explanatory Notes – Statistics Detail' for more information on how the statistics are interpreted.

TABLE 1: MSATS Change Reason Codes

CR CODE	CHANGE REASON CODE DESCRIPTION	TYPE
1000	Change Retailer	1
1010	Change Retailer – Retro Align to Meter Read	1
1020	Change Retailer – Retro – Long Term / Error (not SMALL)	1
1030	Change Retailer – Move-In	1
1040	Change Retailer – Move-In – Retrospective	1
1050	Change Retailer – FRMP not RP (not SMALL)	1
1051	Change Retailer – Retro – FRMP not RP (not SMALL)	1
1080	Change Retailer – Child NMI	1
1081	Change Retailer – Child NMI – Retro Align Meter Rd	1
1082	Change Retailer Child – Retro: Long Term / Error	1
1083	Change Retailer Child NMI – Move-In	1
1084	Change Retailer Child NMI – Move-In – Retro	1
1090	Change Retailer – ENC Large – FRMP not RP	1
1091	Change Retailer – ENC Large – FRMP not RP – Retro	1
2000	Create NMI Details	2
2001	Create NMI Details – Retrospective	2
2003	Create NMI Details – Retrospective (Tier 1 Only)	2
2020	Create NMI Details – Embedded Network Child	2
2021	Create NMI Details – Emb Network Child – Retro	2
2100	Create External Profile Shape	8
2500	Create NMI, Datastream + Meter Details	2
2501	Create NMI, Datastream + Meter Details – Retro	2
2520	Create NMI, D/stream + Meter Details – Emb NC	2
2521	Create NMI, D/stream + Meter – Emb NC – Retro	2
5001	Backdate NMI Start Date	4
5021	Backdate NMI Start Date – Embedded Network Child	4
5110	Change External Profile Shape	8
6400	Change LR	3
6401	Change LR – Retrospective	3
6421	Change LR - Child NMI - Retrospective	3
ECLR	Change of Local Retailer - Embed Net Child (Auto)	7
EPFR	Change of FRMP - Embedded Network Parent (Auto)	6
ROLR	Invoke Retailer of Last Resort (Auto)	5

2. Data Definitions

TABLE 2: Data Definitions

STATISTIC SHORTCUT (CODE)	STATISTIC NAME	STATISTICS DESCRIPTION	JURISDICTION CODE	STATISTICS VISIBILITY
M1	CON_ACTIVET2_NMI_TOTAL	Gets total number of active Tier 2 Consumer NMIs		PRIVATE
M2	CON_ACTIVET2_NMI_JUR	For each Jurisdiction, gets the total number of active Tier 2 Consumer NMIs.	TAS	PRIVATE
			NEM	PRIVATE
			ACT	PRIVATE
			SA	PUBLIC
			QLD	PUBLIC
			NSW	PUBLIC
			VIC	PUBLIC
M3	ACTIVET2_NMI_TOTAL	Gets the total number of active Tier 2 NMIs		PRIVATE
M4	ACTIVET2_NMI_JUR	For each Jurisdiction, gets the total number of active Tier 2 NMIs	TAS	PRIVATE
			NEM	PRIVATE
			ACT	PRIVATE
			SA	PUBLIC
			QLD	PUBLIC
			NSW	PUBLIC
			VIC	PUBLIC
M5	ACTIVET2_NMI_CLASS	For each NMI Class Code, gets the total number of active Tier 2 NMIs		PRIVATE
M6	ACTIVET2_NMI_JUR_CLASS	For each Jurisdiction and NMI Class Code, gets the total number of active Tier	TAS	PRIVATE

Retail Transfer Statistical Data (MSATS) – Specification

STATISTIC SHORTCUT (CODE)	STATISTIC NAME	STATISTICS DESCRIPTION	JURISDICTION CODE	STATISTICS VISIBILITY
		2 NMIs	NEM	PRIVATE
			ACT	PRIVATE
			SA	PUBLIC
			QLD	PUBLIC
			NSW	PUBLIC
			VIC	PUBLIC
M20	CON_TFR_INP_TOTAL	Counts the number of Change Requests on Consumer NMIs in progress where the FRMP is being changed and this results in a change of Tier of either 1->2, 2->2 or 2->1		PRIVATE
M21	CON_TFR_INP_TIER	For each Tier status, counts the number of Change Requests on Consumer NMIs in progress where the FRMP is being changed and this results in a change of Tier of either 1->2, 2->2 or 2->1		PRIVATE
M22	CON_TFR_INP_JUR	For each Jurisdiction, counts the number of Change Requests on Consumer NMIs in progress where the FRMP is being changed and this results in a change of Tier of either 1->2, 2->2 or 2->1	TAS	PRIVATE
			NEM	PRIVATE
			ACT	PRIVATE
			SA	PUBLIC
			QLD	PUBLIC
			NSW	PUBLIC
			VIC	PUBLIC
M23	CON_TFR_INP_JUR_TIER	For each Jurisdiction and Tier Status, counts the number of Change Requests on Consumer NMIs in progress where the FRMP is being changed and this results in a change of Tier of either 1->2, 2->2 or 2->1	TAS	PRIVATE
			NEM	PRIVATE
			ACT	PRIVATE
			SA	PUBLIC
			QLD	PUBLIC
			NSW	PUBLIC
			VIC	PUBLIC
M24	CON_TFR_INP_JUR_LNSP_CRCODE_CLASS	For each Jurisdiction, LNSP, Change Reason Code and NMI Class Code		PRIVATE

Retail Transfer Statistical Data (MSATS) – Specification

STATISTIC SHORTCUT (CODE)	STATISTIC NAME	STATISTICS DESCRIPTION	JURISDICTION CODE	STATISTICS VISIBILITY
		combination, counts the number of Change Requests on Consumer NMIs in progress where the FRMP is being changed and this results in a change of Tier of either 1->2, 2->2 or 2->1		
M25	CON_TFR_INP_JUR_LNSP_LR_OLDFRMP_NEWFRMP_CRSTATUS_CRCODE_CLASS	For each Jurisdiction, LNSP, LR, Old FRMP, New FRMP, Change Request Status, Change Reason Code and NMI Class Code combination, counts the number of Change Requests on Consumer NMIs in progress where the FRMP is being changed and this results in a change of Tier of either 1->2, 2->2 or 2->1		
M26	TFR_INP_TOTAL	Counts the number of Change Requests in progress where the FRMP is being changed and this results in a change of Tier of either 1->2, 2->2 or 2->1		PRIVATE
M27	TFR_INP_TIER	For each Tier Status, counts the number of Change Requests in progress where the FRMP is being changed and this results in a change of Tier of either 1->2, 2->2 or 2->1		PRIVATE
M28	TFR_INP_JUR	For each Jurisdiction, counts the number of Change Requests in progress where the FRMP is being changed and this results in a change of Tier of either 1->2, 2->2 or 2->1	TAS	PRIVATE
			NEM	PRIVATE
			ACT	PRIVATE
			SA	PUBLIC
			QLD	PUBLIC
			NSW	PUBLIC
			VIC	PUBLIC
M29	TFR_INP_CLASS	For each NMI Class Code, counts the number of Change Requests in progress where the FRMP is being changed and this results in a change of Tier of either 1->2, 2->2 or 2->1		PRIVATE
M30	TFR_INP_JUR_TIER	For each combination of Jurisdiction and Tier Status, counts the number of Change Requests in progress where the FRMP is being changed and this results in a change of Tier of either 1->2, 2->2 or 2->1	TAS	PRIVATE
			NEM	PRIVATE
			ACT	PRIVATE
			SA	PUBLIC
			QLD	PUBLIC
			NSW	PUBLIC
			VIC	PUBLIC

Retail Transfer Statistical Data (MSATS) – Specification

STATISTIC SHORTCUT (CODE)	STATISTIC NAME	STATISTICS DESCRIPTION	JURISDICTION CODE	STATISTICS VISIBILITY
M31	TFR_INP_JUR_CLASS	For each combination of Jurisdiction and NMI Class Code, counts the number of Change Requests in progress where the FRMP is being changed and this results in a change of Tier of either 1->2, 2->2 or 2->1	TAS	PRIVATE
			NEM	PRIVATE
			ACT	PRIVATE
			SA	PUBLIC
			QLD	PUBLIC
			NSW	PUBLIC
			VIC	PUBLIC
M32	TFR_INP_JUR_CLASS_TIER	For each combination of Jurisdiction, NMI Class Code and Tier Status, counts the number of Change Requests in progress where the FRMP is being changed and this results in a change of Tier of either 1->2, 2->2 or 2->1	TAS	PRIVATE
			NEM	PRIVATE
			ACT	PRIVATE
			SA	PUBLIC
			QLD	PUBLIC
			NSW	PUBLIC
			VIC	PUBLIC
M40	CON_TFR_COM_TOTAL	Counts the number of Change Requests completed on the Processing Date where the Change Request involved a change of FRMP on a Consumer NMI and changed the Tier of the NMI from 1->2, 2->2, or 2->1		PRIVATE
M41	CON_TFR_COM_TIER	For each Tier Status, counts the number of Change Requests completed on the Processing Date where the Change Request involved a change of FRMP on a Consumer NMI and changed the Tier of the NMI from 1->2, 2->2, or 2->1		PRIVATE
M42	CON_TFR_COM_JUR	For each Jurisdiction, counts the number of Change Requests completed on the Processing Date where the Change Request involved a change of FRMP on a Consumer NMI and changed the Tier of the NMI from 1->2, 2->2, or 2->1	TAS	PRIVATE
			NEM	PRIVATE
			ACT	PRIVATE
			SA	PUBLIC
			QLD	PUBLIC
			NSW	PUBLIC
			VIC	PUBLIC
M43	CON_TFR_COM_JUR_TIER	For each combination of Jurisdiction and Tier Status, counts the number of	TAS	PRIVATE

Retail Transfer Statistical Data (MSATS) – Specification

STATISTIC SHORTCUT (CODE)	STATISTIC NAME	STATISTICS DESCRIPTION	JURISDICTION CODE	STATISTICS VISIBILITY
		Change Requests completed on the Processing Date where the Change Request involved a change of FRMP on a Consumer NMI and changed the Tier of the NMI from 1->2, 2->2, or 2->1	NEM	PRIVATE
			ACT	PRIVATE
			SA	PUBLIC
			QLD	PUBLIC
			NSW	PUBLIC
			VIC	PUBLIC
M44	CON_TFR_COM_JUR_LNSP_CRCODE_CLASS	For each combination of Jurisdiction, LNSP, Change Reason Code and NMI Classification Code, counts the number of Change Requests completed on the Processing Date where the Change Request involved a change of FRMP on a Consumer NMI and changed the Tier of the NMI from 1->2, 2->2, or 2->1		PRIVATE
M45	CON_TFR_CAN_JUR_LNSP_CRCODE_CLASS	For each combination of Jurisdiction, LNSP, Change Reason Code and NMI Classification Code, counts the number of Change Requests cancelled on the Processing Date where the Change Request involved a change of FRMP on a Consumer NMI and changed the Tier of the NMI from 1->2, 2->2, or 2->1		PRIVATE
M46	CON_TFR_COM_JUR_LNSP_OLDFRMP_NEWFRMP_CLASS	For each combination of Jurisdiction, LNSP, Existing FRMP, New FRMP, and NMI Classification Code, counts the number of Change Requests completed on the Processing Date where the Change Request involved a change of FRMP on a Consumer NMI and changed the Tier of the NMI from 1->2, 2->2, or 2->1		PRIVATE
M47	CON_TFR_COM_JUR_LNSP_LR_OLDFRMP_NEWFRMP_CRCODE_CLASS	For each combination of Jurisdiction, LNSP, LR, Existing FRMP, New FRMP, Change Reason Code and NMI Classification Code, counts the number of Change Requests completed on the Processing Date where the Change Request involved a change of FRMP on a Consumer NMI and changed the Tier of the NMI from 1->2, 2->2, or 2->1		PRIVATE
M48	TFR_COM_TOTAL	Counts the number of Change Requests completed on the Processing Date where the Change Request involved a change of FRMP and changed the Tier of the NMI from 1->2, 2->2, or 2->1		PRIVATE
M49	TFR_COM_TIER	For each Tier Status, counts the number of Change Requests completed on the Processing Date where the Change Request involved a change of FRMP and changed the Tier of the NMI from 1->2, 2->2, or 2->1		PRIVATE

Retail Transfer Statistical Data (MSATS) – Specification

STATISTIC SHORTCUT (CODE)	STATISTIC NAME	STATISTICS DESCRIPTION	JURISDICTION CODE	STATISTICS VISIBILITY
M50	TFR_COM_JUR	For each Jurisdiction, counts the number of Change Requests completed on the Processing Date where the Change Request involved a change of FRMP and changed the Tier of the NMI from 1->2, 2->2, or 2->1	TAS	PRIVATE
			NEM	PRIVATE
			ACT	PRIVATE
			SA	PUBLIC
			QLD	PUBLIC
			NSW	PUBLIC
			VIC	PUBLIC
M51	TFR_COM_CLASS	For each NMI Classification, counts the number of Change Requests completed on the Processing Date where the Change Request involved a change of FRMP and changed the Tier of the NMI from 1->2, 2->2, or 2->1		PRIVATE
M52	TFR_COM_JUR_TIER	For each combination of Jurisdiction and Tier Status, counts the number of Change Requests completed on the Processing Date where the Change Request involved a change of FRMP and changed the Tier of the NMI from 1->2, 2->2, or 2->1	TAS	PRIVATE
			NEM	PRIVATE
			ACT	PRIVATE
			SA	PUBLIC
			QLD	PUBLIC
			NSW	PUBLIC
			VIC	PUBLIC
M53	TFR_COM_JUR_CLASS	For each combination of Jurisdiction and NMI Classification, counts the number of Change Requests completed on the Processing Date where the Change Request involved a change of FRMP and changed the Tier of the NMI from 1->2, 2->2, or 2->1	TAS	PRIVATE
			NEM	PRIVATE
			ACT	PRIVATE
			SA	PUBLIC
			QLD	PUBLIC
			NSW	PUBLIC
			VIC	PUBLIC

Retail Transfer Statistical Data (MSATS) – Specification

STATISTIC SHORTCUT (CODE)	STATISTIC NAME	STATISTICS DESCRIPTION	JURISDICTION CODE	STATISTICS VISIBILITY
M54	TFR_COM_JUR_CLASS_TIER	For each combination of Jurisdiction, NMI Classification and Tier Status, counts the number of Change Requests completed on the Processing Date where the Change Request involved a change of FRMP and changed the Tier of the NMI from 1->2, 2->2, or 2->1	TAS	PRIVATE
			NEM	PRIVATE
			ACT	PRIVATE
			SA	PUBLIC
			QLD	PUBLIC
			NSW	PUBLIC
			VIC	PUBLIC
M55	SPECIAL_READS	For each combination of LNSP and NMI Classification, counts the number of Change Requests completed on the Processing Date where the Change Request required a Special Read		PRIVATE
M56	OBJ_LODGED	For each combination of LNSP and Objection Code, counts the number of Change Requests that are in an Objected status		PRIVATE
M57	CON_TFR_COM_CMPNY_JUR_LNSP_LR_OLDFRMP_NEWFRMP_C RCODE_CLASS	Statistic based on the current M47 Participant ID statistic but references Company ID. This essentially means that all participant ID based statistics are rolled up into Company ID if multiple participant IDs shares the same Company ID. Where previous Company ID is the same as new Company ID, a transfer has been made from one participant ID to another Participant ID which belongs to the same Company.		PRIVATE
M57A	CON_TFR_COM_CORPN_JUR_LNSP_LR_OLDFRMP_NEWFRMP_C RCODE_CLASS	Statistic based on the M57 Company ID statistic but references Corporation ID. This essentially means that all Company ID based statistics are rolled up into Corporation ID if multiple Company IDs shares the same Corporation ID and participants have requested participant IDs across different Company IDs be grouped together. This statistic only includes transfers between different Company IDs or Corporation IDs.		PRIVATE
M57B	CON_TFR_COM_CORPN_JUR_CLASS	Statistic based on the M57 Company ID statistic but references Corporation	TAS	PRIVATE

Retail Transfer Statistical Data (MSATS) – Specification

STATISTIC SHORTCUT (CODE)	STATISTIC NAME	STATISTICS DESCRIPTION	JURISDICTION CODE	STATISTICS VISIBILITY
		<p>ID. This essentially means that all Company ID based statistics are rolled up into Corporation ID if multiple Company IDs shares the same Corporation ID. (if participants have requested additional participant IDs across different Company IDs be grouped together). Therefore transfers between different Participant ids of the same organisation are not counted, nor transfers between different Company IDs of the same Corporation ID if requested.</p> <p>For each Jurisdiction, counts the number of Change Requests completed on the Processing Date where the Change Request involved a change of FRMP on a Consumer NMI and changed the Tier of the NMI from 1->2, 2->2, or 2->1</p>	<p>NEM</p> <p>ACT</p> <p>SA</p> <p>QLD</p> <p>NSW</p> <p>VIC</p>	<p>PRIVATE</p> <p>PRIVATE</p> <p>PUBLIC</p> <p>PUBLIC</p> <p>PUBLIC</p> <p>PUBLIC</p>
M70	CON_ACTIVE_NMI_JUR_LNSP_LR_FRMP	For each Jurisdiction, LNSP, LR and FRMP, counts the number of Active Consumer NMIs (both Tier 1 and Tier 2). This statistic is only calculated on the last day of each month		PRIVATE
M71	CON_ACTIVE_NMI_JUR_LNSP_LR_FRMP_CLASS	For each Jurisdiction, LNSP, LR, FRMP and NMI Classification, counts the number of Active Consumer NMIs (both Tier 1 and Tier 2). This statistic is only calculated on the last day of each month		PRIVATE
M72	CR_STATUS_CHANGES_CR_CODE	Counts the number of Change Requests submitted for each CR code for the reporting period. This statistic only used to produce the "cats_cr_csv_yyyymm.csv file for web publication.		PRIVATE
M73	NMI_COUNTS	Counts the number of NMI records with status of 'A', 'D' & 'G' per jurisdiction. This statistic is only used to produce the "Total Number of National Metering Identifiers (NMIs) for the graph in the .pdf file for web publication.		PRIVATE

3. Mapping of old statistics against the new statistics

To ensure that the continuity that was provided when the management of transfers moved from MAS to MSATS also happens when the new C5 processing is implemented the table which follows has been prepared to map each old statistic against a proposed new statistic. It is possible to map all the old statistics to the new structure, albeit with some minor changes that are documented in the Notes column.

TABLE 3: Statistics Mapping

OLD STATISTICS NAME	OLD CODE	OLD DESCRIPTION	IS REPLACED BY	NOTES
ACTNMI	P01	Active NMIs	ACTIVET2_NMI_TOTAL	
ACTNMIWS	P11	Active Wholesale	ACTIVET2_NMI_CLASS	Counts all NMI Classifications including WHOLESAL.
ACTNMINWS	P12	Active Non-Wholesale	CON_ACTIVET2_NMI_TOTAL	Not exactly the same – the old figure included interconnectors and generators. This one is more accurate. It will only count SMALL and LARGE and any future classifications configured as consumer (retail) NMIs.
QLDNMITOT	P13	Active Qld	ACTIVET2_NMI_JUR	Counts by jurisdictions.
QLDNMINWS	P16	Active Qld Non-Wholesale	CON_ACTIVET2_NMI_JUR	See notes for P12.
QLDNMIWS	P17	Active Qld Wholesale	ACTIVET2_NMI_JUR_CLASS	See notes for P11.
NSWNMITOT	P14	Active NSW	ACTIVET2_NMI_JUR	See notes for P13.
NSWNMINWS	P18	Active NSW Non-Wholesale	CON_ACTIVET2_NMI_JUR	See notes for P12.
NSWNMIWS	P19	Active NSW Wholesale	ACTIVET2_NMI_JUR_CLASS	See notes for P11.
VICNMITOT	P15	Active Vic	ACTIVET2_NMI_JUR	See notes for P13.
VICNMINWS	P20	Active Vic Non-Wholesale	CON_ACTIVET2_NMI_JUR	See notes for P12.
VICNMIWS	P21	Active Vic Wholesale	ACTIVET2_NMI_JUR_CLASS	See notes for P11.
SANMINWS	P22	Active SA Non-Wholesale	CON_ACTIVET2_NMI_JUR	See notes for P12.
SANMIWS	P23	Active SA Wholesale	ACTIVET2_NMI_JUR_CLASS	See notes for P11.
AUSTCAPTERNMINWS	P51	Active ACT Non-Wholesale	CON_ACTIVET2_NMI_JUR	See notes for P12.
AUSTCAPTERNMIWS	P52	Active ACT Wholesale	ACTIVET2_NMI_JUR_CLASS	See notes for P11.
AUSTCAPTERNMITOT	P53	Active ACT	ACTIVET2_NMI_JUR	See notes for P13.
RT_INP	P02	Total Transfers In Progress	TFR_INP_TOTAL	No longer included changes of Local Retailer. Still includes changes of FRMP + creation of

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OLD STATISTICS NAME	OLD CODE	OLD DESCRIPTION	IS REPLACED BY	NOTES
				Tier 2 NMIs.
RT12_INP	P03	Total Transfers In Progress T1 to T2	TFR_INP_TIER	See notes for P02.
RT22_INP	P04	Total Transfers In Progress – T2 to T2	TFR_INP_TIER	See notes for P02.
RT21_INP	P05	Total Transfers In Progress – T2 to T1	TFR_INP_TIER	See notes for P02.
RT_COM	P06	Total Transfers Completed	TFR_COM_TOTAL	See notes for P02.
RT12_COM	P07	Total Transfers Completed – T1 to T2	TFR_COM_TIER	See notes for P02.
RT22_COM	P08	Total Transfers Completed – T2 to T2	TFR_COM_TIER	See notes for P02.
RT21_COM	P09	Total Transfers Completed T2 to T1	TFR_COM_TIER	See notes for P02.
RTRMP_COM	P10	Transfers Completed – Change of FRMPs + Create Tier 2 NMIs	Redundant	The P06 replacement is now the same as this because it doesn't include Local Retailer transfers.
QLDRTNWS_INP	P42	Transfers In Progress – Qld Non-Wholesale	CON_TFR_INP_JUR	Not exactly the same – the old figure included interconnectors and generators. This one is more accurate. It will only count SMALL and LARGE and any future classifications configured as consumer (retail) NMIs. Counts totals for each jurisdiction. Does not include change of Local Retailer transactions.
QLDRTNWS_COM	P46	Transfers Completed – Qld Non-Wholesale	CON_TFR_COM_JUR	See notes for P42.
QLDRT12NWS_INP	P43	Transfers In Progress (Tier 1 to 2) – Qld Non-Wholesale	CON_TFR_INP_JUR_TIER	Not exactly the same – the old figure included interconnectors and generators. This one is more accurate. It will only count SMALL and LARGE and any future classifications configured as consumer (retail) NMIs. Counts totals for each tier type (1TO2, 2TO2 or 2TO1). Does not include change of Local Retailer transactions.
QLDRT21NWS_INP	P45	Transfers In Progress (Tier 2 to 1) – Qld Non-Wholesale	CON_TFR_INP_JUR_TIER	See notes for P43.
QLDRT22NWS_INP	P44	Transfers In Progress (Tier 2 to 2) – Qld Non-Wholesale	CON_TFR_INP_JUR_TIER	See notes for P43.
QLDRT21NWS_COM	P49	Transfers Completed (Tier 2 to 1) – Qld Non-Wholesale	CON_TFR_COM_JUR_TIER	See notes for P43.
QLDRT22NWS_COM	P48	Transfers Completed (Tier 2 to 2) – Qld Non-Wholesale	CON_TFR_COM_JUR_TIER	See notes for P43.
QLDRT12NWS_COM	P47	Transfers Completed (Tier 1 to 2) – Qld Non-Wholesale	CON_TFR_COM_JUR_TIER	See notes for P43.
QLDFRMPNWS	P50	Transfers Completed – Change of FRMPs – Qld Non Wholesale	Redundant	The P46 replacement is now the same as this because it doesn't include Local Retailer transfers.

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OLD STATISTICS NAME	OLD CODE	OLD DESCRIPTION	IS REPLACED BY	NOTES
NSWRNWS_INP	P24	Transfers In Progress – NSW, and ACT Non-Wholesale	CON_TFR_INP_JUR	See notes for P42. Also NSW and ACT are reported with separate totals.
NSWRNWS_COM	P28	Transfers Completed – NSW and ACT Non-Wholesale	CON_TFR_COM_JUR	See notes for P24.
NSWR12NWS_INP	P25	Transfers In Progress (Tier 1 to 2) – NSW and ACT Non-Wholesale	CON_TFR_INP_JUR_TIER	See notes for P43.
NSWR21NWS_INP	P27	Transfers In Progress (Tier 2 to 1) – NSW and ACT Non-Wholesale	CON_TFR_INP_JUR_TIER	See notes for P43.
NSWR22NWS_INP	P26	Transfers In Progress (Tier 2 to 2) – NSW and ACT Non-Wholesale	CON_TFR_INP_JUR_TIER	See notes for P43.
NSWR21NWS_COM	P31	Transfers Completed (Tier 2 to 1) – NSW and ACT Non-Wholesale	CON_TFR_COM_JUR_TIER	See notes for P43.
NSWR22NWS_COM	P30	Transfers Completed (Tier 2 to 2) – NSW and ACT Non-Wholesale	CON_TFR_COM_JUR_TIER	See notes for P43.
NSWR12NWS_COM	P29	Transfers Completed (Tier 1 to 2) – NSW and ACT Non-Wholesale	CON_TFR_COM_JUR_TIER	See notes for P43.
NSWFRMPNWS	P32	Transfers Completed – Change of FRMPs – NSW and ACT Non Wholesale	Redundant	The P28 replacement is now the same as this because it doesn't include Local Retailer transfers.
VICRTNWS_INP	P33	Transfers In Progress – Vic Non-Wholesale	CON_TFR_INP_JUR	See notes for P12.
VICRTNWS_COM	P37	Transfers Completed – Vic Non-Wholesale	CON_TFR_COM_JUR	See notes for P24.
VICRT12NWS_INP	P34	Transfers In Progress (Tier 1 to 2) – Vic Non-Wholesale	CON_TFR_INP_JUR_TIER	See notes for P43.
VICRT21NWS_INP	P36	Transfers In Progress (Tier 2 to 1) – Vic Non-Wholesale	CON_TFR_INP_JUR_TIER	See notes for P43.
VICRT22NWS_INP	P35	Transfers In Progress (Tier 2 to 2) – Vic Non-Wholesale	CON_TFR_INP_JUR_TIER	See notes for P43.
VICRT21NWS_COM	P40	Transfers Completed (Tier 2 to 1) – Vic Non-Wholesale	CON_TFR_COM_JUR_TIER	See notes for P43.
VICRT22NWS_COM	P39	Transfers Completed (Tier 2 to 2) – Vic Non-Wholesale	CON_TFR_COM_JUR_TIER	See notes for P43.
VICRT12NWS_COM	P38	Transfers Completed (Tier 1 to 2) – Vic Non-Wholesale	CON_TFR_COM_JUR_TIER	See notes for P43.
VICFRMPNWS	P41	Transfers Completed – Change of FRMPs – Vic Non Wholesale	Redundant	The P37 replacement is now the same as this because it doesn't include Local Retailer transfers.
VICSMALL_COM	S1	Transfers Completed – SMALL VIC	TFR_COM_JUR_CLASS	Counts all NMI classifications by jurisdiction.
NSWSMALL_COM	S2	Transfers Completed – SMALL NSW	TFR_COM_JUR_CLASS	See notes for S1.
VICRT12SMALL_INP	S3	Transfers In Progress (Tier 1 to 2) – SMALL VIC	TFR_INP_JUR_CLASS_TIER	See notes for S1.
VICRT22SMALL_INP	S4	Transfers In Progress (Tier 2 to 2) – SMALL VIC	TFR_INP_JUR_CLASS_TIER	See notes for S1.
VICRT21SMALL_INP	S5	Transfers In Progress (Tier 2 to 1) – SMALL VIC	TFR_INP_JUR_CLASS_TIER	See notes for S1.
NSWR12SMALL_INP	S6	Transfers In Progress (Tier 1 to 2) – SMALL NSW	TFR_INP_JUR_CLASS_TIER	See notes for S1.
NSWR22SMALL_INP	S7	Transfers In Progress (Tier 2 to 2) – SMALL NSW	TFR_INP_JUR_CLASS_TIER	See notes for S1.
NSWR21SMALL_INP	S8	Transfers In Progress (Tier 2 to 1) – SMALL NSW	TFR_INP_JUR_CLASS_TIER	See notes for S1.
	X2	Number of concurrent change requests	Redundant – no replacement	
	X3	Count by LNSP of CR1000s completed and in progress	CON_TFR_INP_JUR_LNSP_CRSTATUS_CRCODE_CLASS	Counts all NMI classifications and change reason codes not just SMALL CR1000s.

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OLD STATISTICS NAME	OLD CODE	OLD DESCRIPTION	IS REPLACED BY	NOTES
			CON_TFR_COM_JUR_ LNSP_CRCODE_CLASS	
	X4	Count by LNSP of CR1030s completed and in progress	CON_TFR_INP_JUR_LNSP_ CRSTATUS_CRCODE_CLASS CON_TFR_COM_JUR_ LNSP_CRCODE_CLASS	See notes for X3.
	X5	Count of transfers by jurisdiction, new FRMP, change request status, NMI Classification, and CRCCode	CON_TFR_COM_JUR_LNSP_LR_OLDFR MP_NEWFRMP_CRCODE_CLASS	The replacement query provides additional detail but also allows for the statistic it is replacing to be deduced.
	X6	Number of change requests with special reads	No change to existing report	
	X7	Number of objected transfers by LNSP and objection code	No change to existing report	

4. Explanatory Notes – Statistics Detail

The comments below apply to all of the statistics described in this document:

- The superset of transactions on which these statistics are based is those transactions where either the FRMP or LR (or both) is changing. At present, that includes all change of retailer transactions (change reason codes beginning with 10), all change of Local Retailer transactions (6400 and 6401), all transactions to create NMIs (2000, 2001, 2501, etc) and the codes 5001 and 5021 which can be used to backdate a NMI's start date or to fix errors in existing relationship data that the normal rules for retrospectivity in a jurisdiction don't allow.
- All counts exclude any transfers in progress if they are not actually making a change (e.g. an inadvertent CR1000 to change a FRMP from participant A to participant A would not be counted).
- All comparisons of existing relationships with new relationships are done as at the proposed or actual change date on the change request. For example, if the transaction being counted is a change of retailer transaction to change to FRMP B as of 01/01/02, the report checks which party was the FRMP on that date (01/01/02) in order to decide if it is Tier 1 to Tier 2, Tier 2 to Tier 2, Tier 2 to Tier 1 or not changed at all (as per previous dot point). For transactions in progress, it uses the actual change date if available, otherwise it uses the proposed date. For completed transactions, it uses the actual change date.
- For any statistics calculated by Jurisdiction, NMI Classification, and/or LNSP, the NMI's jurisdiction, NMI Classifications and/or LNSP are what they were as of the proposed or actual change date on the change request. If there is no LNSP, jurisdiction, NMI Classification or LNSP on the master record (because the NMI is being created or backdated with this change request) the relevant values from the change request are used.
- For transactions that are creating NMIs, where there is no existing record as of the ACTUALCHANGEDATE on the change request, the starting Tier relationship is assumed to be Tier 1. Hence, a transaction to create a NMI where the FRMP is equal to the LR is considered to be a Tier 1 to Tier 1 transfer and a transaction to create a NMI where the FRMP is not equal to the LR is considered to be Tier 1 to Tier 2.
- For the purpose of classifying whether a transfer is Tier 1 to 2, Tier 2 to 2, Tier 2 to 1 or Tier 1 to Tier 1, a transaction to backdate the start date of a NMI (i.e. a CR5001 or CR5021 where the actualchangedate is before the NMI's start date) is treated in the same way as if the NMI did not exist. The report will always assume that the starting tier of the NMI is Tier 1, whether or not that is correct.
- Actual change dates are always used if they are available. However, for types of Change Requests where the actual change date must be submitted by another party (e.g. CR1000), if it has not been provided yet, then the proposed change date is used. This only applies to 'In Progress' counts.
- Any statistics that are providing totals of Change Requests completed are counting Change Requests completed in the overnight processing for the statistics date. For example, if the statistics date is 19-Feb-2002, it will count Change Requests completed in the overnight processing that occurs at approximately 1AM on 20-Feb-2002.
- Transactions in progress are counted as at the time the report was run, which is after the overnight processing completes, not at midnight. This means that any transaction submitted on the statistics date that completes on the same night would never be counted in an 'in progress' total but only appear in the Completed total. However, at present, because all the types of transactions that are included in these statistics have at

least a one day objection period, it is impossible to submit a transaction and have it complete that night.

5. Acronyms and Glossary

TERM	DESCRIPTION
Active	An active NMI is a NMI that can be used for a retail transfer.
Change Reason Code	A code that is part of each change request, that identifies its purpose. Most MSATS configuration rules are built about change reason codes, including the rules on which participant can initiate the change request, which participants can object and what data items can be updated. For more information refer to the CATS Procedures.
Change Request	A transaction submitted to MSATS to either create a NMI or change any of an existing NMI's standing data including its FRMP or LR.
CR Code	See <i>Change Reason Code</i> .
Financially Responsible Market Participant	This is the Market Participant that is financially responsible, in the NEM, for the electricity used by this connection point. In most cases it will be the consumer's retailer.
First Tier	A connection point where the electricity is purchased from the Local Retailer. In MSATS, a connection point is Tier 1 if the FRMP has the same participant ID as the LR.
FRC	Full Retail Competition
FRMP	See <i>Financially Responsible Market Participant</i>
LNSP	Local Network Service Provider
Local Retailer	The Market Customer that is financially responsible, in the NEM, for the wholesale connection point from which this retail connection point is supplied.
LR	See <i>Local Retailer</i>
MAS	Metering Administration System
MSATS	Market Settlement and Transfer Solution
NEMMCO	National Electricity Market Management Company Limited
NMI	National Metering Identifier
Second Tier	A connection point where the electricity is purchased from a party other than the Local Retailer. In MSATS, a connection point is Tier 2 if the FRMP has a different participant ID from the LR.
Tier 1	See <i>First Tier</i>
Tier 2	See <i>Second Tier</i>
Wholesale NMI	A NMI which has a NMI Classification code of WHOLESAL. This code is used to identify the connection points that are directly connected to the transmission network.