

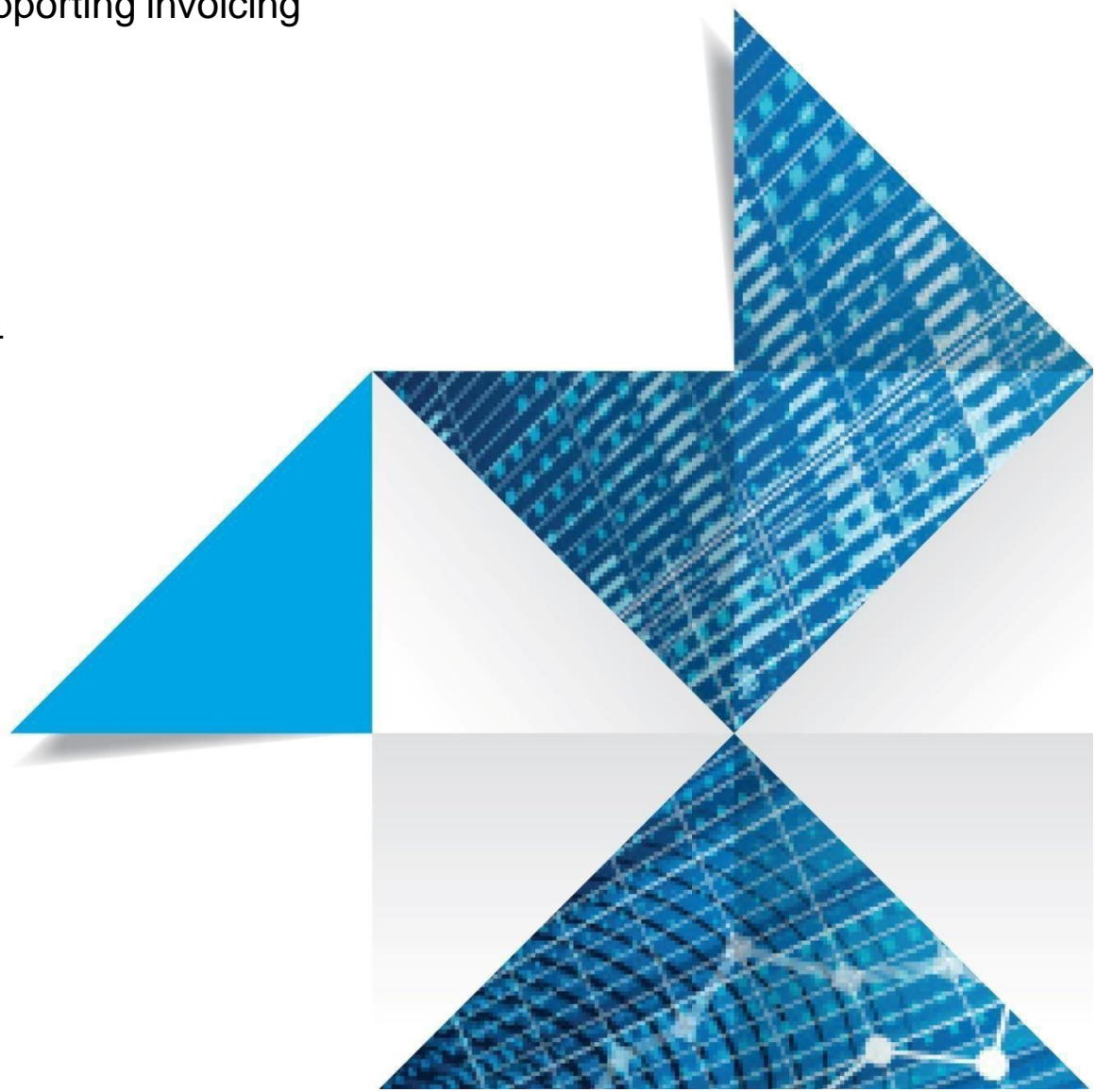


NZX – CLEARING MANAGER

ENERGY CLEARING & SETTLEMENT

Data files supporting invoicing

11 March 2024



Document history

Version	Revision date	Author	Summary of changes
1.0	13 th December 2012		Initial version
1.1	17 th December 2012		Correction to description of SFTR price difference. FTR transaction types in TRAN file.
1.2	16 May 2014		Update for FTR Allocation Plan 2014. Update to 3.1 TRAN file – transaction type and new table 3.16 RFTR file.
1.3	30 July 2014		Update – RFTR and payer/payee descriptions
1.4	19 November 2014		Update for Settlement and Prudential Security (SPS). Update to 2.1 filename prefix. New table 3.17 Statement file.
1.5	12 December 2014		Further SPS update – section 3.1 added.
1.6	23 January 2015		DDCONS file description added
1.6	25 November 2021		Document Reviewed
1.6	25 November 2022		Document Reviewed
1.6	11 March 2024		Document Reviewed

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1. Introduction

The clearing manager currently includes a number of CSV data files as supporting documentation for invoices that are issued to participants.

1.1. Background

The Electricity Authority (the Authority) is a Crown entity required to oversee New Zealand's electricity industry and markets. The Authority regulates the operation of the electricity industry and markets (wholesale and retail) in accordance with the Electricity Act and current government policy.

1.2. Purpose of this Document

This document describes (with fictitious examples) the CSV file types accompanying invoices, providing supporting documentation to those invoices.

2. Filenames

2.1. Common filename prefix

All file types other than the statement are named with a common **filename prefix** as follows:

[billing period ID]_[invoice date]_[participant code]_[statement number]_[participant type]

The filename prefix for the statement file is:

[billing period ID]_[invoice date]_[participant code]_[statement number]

Where:

- Billing period ID is a three character numeric string (e.g. 228)
- Invoice date is when the invoice was created YYYYMMDD (e.g. 20140911)
- Participant code is the 4 character participant identifier (e.g. CTCT)
- Statement number is the unique number of the statement (e.g. 1951)
- Participant type is one of “G” (payee/generator), “P” (payer) or “M” (grid owner).

E.g.

228_20140911_CTCT_1951_P

224_20140613_MERI_1541_G

3. File types

3.1. Bundle (Zip) file

Zip files will be named with the filename prefix followed by **.zip**.

The statement zip file will contain the statement file, invoice files and other files as described in this section as appropriate.

In a washup run, washup files are also bundled in a zip file with a statement id for that group of washups, but there is no statement or statement file in the washup .zip.

3.2. Transaction file (TRAN)

This file contains an aggregated total for each combination of billing period and type of transaction appearing on a participant's invoice.

Filename: [filename prefix]_TRAN_[Invoice ID].csv

Field	Format	Nullable	Example	Notes
Invoice ID	Number (10)	N	12345	Invoice number
Transaction type	Varchar2 (4)	N	SPOT	ACS=ancillary services CONS=constrained HEDG=hedge amounts MRDA=must-run auction SPOT=spot electricity WINT=wash-up interest SFTR=settlement of FTR (one entry per holding) DFTR=FTR assignment difference payment RFTR=FTR Reconfiguration amount
Transaction date	Date (dd/mm/yyyy)	N	31/10/2012	Last date of a billing period – except for ancillary services (“ACS”) which are the <i>first</i> date of the billing period.
Amount excl. GST	Number (22,2)	N	555222111.99	
GST Amount	Number (22,2)	N	83283316.80	If GST is applicable
Trade reference	Varchar2 (22)	Y		Legacy column. Not currently used.
Transaction Identifier	Varchar2 (10)	Y	409028	Only currently used for ancillary services (“ACS” transaction type) to contain Transpower product code.
Participant Type	Char (1)	N	P	P=payer, G=generator/payee, M=grid owner
Participant code	Char (4)	N	MERI	

3.3. Constrained amounts file (CONS)

This file contains a row for each constrained on or constrained off amount applicable to a participant for each billing period being invoiced or washed-up.

Filename format: [filename prefix]_CONS_[Invoice ID].csv

Field	Format	Nullable	Example	Notes
Invoice ID	Number (10)	N	12345	Invoice ID as per the TRAN file
Constrained On/Off indicator	Varchar2 (3)	N	ON	Will either be "ON" or "OFF"
Grid injection point	Varchar2 (8)	N	OTA2201	Will either be a market node, block dispatch group or station dispatch group
Trading date	Date	N	22/10/2012	
Trading period	Number (2)	N	25	1 to 48 (or 46/50)
Metered quantity (MW)	Number (10.3)	N	100.252	MW
Final offered quantity (MW)	Number (10.4)	N	10.8423	MW
Total settlement amount (excl. GST)	Number (20.4)	N	2.4833	\$
Total grid constrained amount (excl. GST)	Number (20.4)	N	0	\$
Total amount (excl. GST)	Number (20.4)	N	2.4833	\$
Participant code	Char (4)	N	MERI	

3.4. Reserve constrained amounts file (RESCONS)

This file contains a record for every half-hour during the month where the participant had a reserve constrained amount calculated.

Filename format: [filename prefix]_RESCONS_[Invoice ID].csv

Field	Format	Nullable	Example	Notes
Invoice ID	Number (10)	N	12345	Invoice ID as per the TRAN file
Market Node	Varchar2	N	CYD2201 CYD CYD	
Trading date	Date	N	02/10/2012	
Trading period	Number (2)	N	21	
Quantity (MW)	Number (7.3)	N	8.252	

Field	Format	Nullable	Example	Notes
Total settlement amount	Number (20.4)	N	1.0555	
Grid settlement amount	Number (20.4)	N	1.0555	
Net amount	Number (20.4)	N	0	
Participant code	Char (4)	N	CTCT	

3.5. DD constrained amounts file (DDCONS)

This file contains a row for each constrained on or constrained off amount applicable to a dispatchable load purchaser for each billing period being invoiced or washed-up.

Filename format: [filename prefix]_DDCONS_[Invoice ID].csv

Field	Format	Nullable	Example	Notes
Invoice ID	Number (10)	N	12345	Invoice ID as per TRAN file
Constrained On/Off Indicator	Varchar (3)	N	ON	Must be ON or OFF
Supply Point	Varchar (8)	N	HAY2201	Will either be a market node, block dispatch group or station dispatch group.
DCLS Code	Varchar(5)	N	DLS1	
Trading Date	DD/MM/YYYY	N	11/02/2014	
Trading Period	Number (2)	N	36	1 <= period <= 50
Constrained Amount	Number(24,4)	N	52.09	Dollar amount
Constrained Quantity	Number(10,3)	N	0.244	MW
Scheduled Quantity	Number (10,3)	N	5.767	MW
Reconciled Quantity	Number (10,4)	N	6.011	MW
Dispatch Quantity	Number (10,4)	N	8.265	MW
Final Price	Number(8,2)	N	345.87	Dollar amount
Bid Price	Number(8,2)	N	101.5	Dollar amount

3.6. Electricity spot amounts file (SPOT)

This file contains a record for every half-hour where at each location traded at by the participant during a billing period (consumption period). It only reports half-hours where there are "F"inal prices at the location. Wash-ups are reported via the WASH file type.

Filename format: [filename prefix]_SPOT_[Invoice ID].csv

Field	Format	Nullable	Example	Notes
Invoice ID	Number (10)	N	12345	Invoice ID as per the TRAN file
Grid point	Varchar2 (8)	N	CPK0331	
Trading date	Date	N	23/11/2012	
Trading period	Number (2)	N	12	1 to 48 (or 46/50)
Quantity (MW)	Number (10.3)	N	34.655	
Price (\$/MWh)	Number (6.2)	N	55.42	Final price
Settlement Amount (\$)	Number (20.4)	N	960.29	
Participant Type	Varchar2 (10)	N	G or GENERATOR	Valid values are "G", "GENERATOR", "P" or "PURCHASER"

3.7. Electricity spot summary file (SSUM)

This file contains a summary at each location traded at by the participant during a billing period (consumption period). It only considers half-hours where there are "F"inal prices at the location. Wash-ups are reported via the WSUM file type.

Filename format: [filename prefix]_SSUM_[Invoice ID].csv

Field	Format	Nullable	Example	Notes
Invoice ID	Number (10)	N	12345	Invoice ID as per the TRAN file
Grid Point	Varchar2 (8)	N	CPK0331	
Month Start Date	Date	N	01/11/2012	The 1 st of the consumption period
Total Quantity (MW)	Number (10.3)	N	24480.258	Sum of quantity (MW) over all half-hours in the consumption period
Average Price (\$/MWh)	Number (10.2)	N	44.28	Simple average of all "F"inal prices during the consumption period
Total Settlement Amount (\$)	Number (10.2)	N	1163525.92	Sum of price x quantity over all half-hours in the consumption period
Participant Type	Varchar2 (10)	N	G or GENERATOR	Valid values are "G", "GENERATOR", "P" or "PURCHASER"

3.8. Electricity spot wash-up amounts file (WASH)

This file contains a record for every half-hour at each location traded at by the participant during a billing period (consumption period) that is being washed-up. It only reports half-hours where there are "F"inal prices at the location.

Filename format: [filename prefix]_WASH_[Invoice ID].csv

Field	Format	Nullable	Example	Notes
Invoice ID	Number (10)	N	12345	Invoice ID as per the TRAN file
Grid point	Varchar2 (8)	N	CPK0331	
Trading date	Date	N	23/11/2012	
Trading period	Number (2)	N	12	1 to 48 (or 46/50)
Quantity (MW)	Number (10.3)	N	34.655	
Price (\$/MWh)	Number (6.2)	N	55.42	Final price
Settlement Amount (\$)	Number (20.4)	N	960.29	
Participant Type	Varchar2 (10)	N	G or GENERATOR	Valid values are "G", "GENERATOR", "P" or "PURCHASER"

3.9. Electricity spot wash-up summary file (WSUM)

This file contains a summary at each location traded at by the participant during a billing period (consumption period) that is being washed-up. It only considers half-hours where there are "F"inal prices at the location.

Filename format: [filename prefix]_WSUM_[Invoice ID].csv

Field	Format	Nullable	Example	Notes
Invoice ID	Number	N	12345	Invoice ID as per the TRAN file
Grid Point	Varchar2 (8)	N	CPK0331	
Month Start Date	Date	N	01/11/2012	The 1 st of the consumption period
Total Quantity (MW)	Number (10.3)	N	24480.668	Sum of quantity (MW) over all half-hours in the consumption period
Average Price (\$/MWh)	Number (10.2)	N	44.28	Simple average of all "F"inal prices during the consumption period
Total Settlement Amount (\$)	Number (10.2)	N	1163525.92	Sum of price x quantity over all half-hours in the consumption period
Participant Type	Varchar2 (10)	N	G or GENERATOR	Valid values are "G", "GENERATOR", "P" or "PURCHASER"

3.10. Must-run dispatch auction (purchaser) (MRDP)

This file contains a record for each half-hour in the month for each purchaser, describing the amount payable to cover their market share of the must-run auction revenue paid-out by generators during that half hour.

Filename format: [filename prefix]_MRDP_[Invoice ID].csv

Field	Format	Nullable	Example	Notes
Invoice ID	Number (10)	N	12345	Invoice ID as per the TRAN file
Participant code	Char (4)	N	TRUS	
Trading date	Date	N	02/10/2012	
Trading period	Number (2)	N	3	
Purchaser ratio	Number (4.10)	N	0.10	Market share for the trading period
Purchaser revenue	Number (4.10)	N	-1.525	Negative \$ means the amount is payable by the purchaser
Auction revenue	Number (4.4)	N	15.25	The total amount paid to must-run auction winners for the trading period

3.11. Must-run dispatch auction (generator) (MRDG)

This file contains a record for each half-hour in the month for each generator, describing their must-run auction revenue. This is the amount payable by the generator's to the purchasers.

Filename format: [filename prefix]_MRDG_[Invoice ID].csv

Field	Format	Nullable	Example	Notes
Invoice ID	Number (10)	N	12345	Invoice ID as per the TRAN file
Participant code	Char (4)	N	MERI	
Trading date	Date	N	02/10/2012	
Trading period	Number (2)	N	3	1 to 48 (or 46/50)
Auction revenue	Number (4.10)	N	2.50	\$

3.12. Purchaser ratio file (RTIO)

This file contains a record for each half-hour in the consumption period for each purchaser, describing their total market share and market share for each island.

Filename format: [filename prefix]_RTIO_[Invoice ID].csv

Field	Format	Nullable	Example	Notes
Invoice ID	Number (10)	N	12345	Invoice ID as per the TRAN file
Participant code	Char (4)	N	TRUS	
Trading period	Number (2)	N	23	
Trading date	Date	N	02/10/2012	
South Island Ratio	Number (4.10)	N	.0988172262	South Island market share
North Island Ratio	Number (4.10)	N	.0934053421	North Island market share
Total NZ Ratio	Number (4.10)	N	.0954851509	Total NZ market share

3.13. Ancillary services instantaneous reserve (ASIR)

This file contains an instantaneous reserve quantity for each half-hour at each location where a participant trades.

Filename format: [filename prefix]_ASIR_[Invoice ID].csv

Field	Format	Nullable	Example	Notes
Trading date	Date (dd-mon-yyyy)		01-Apr-2012	
Grid point	Varchar2 (8)		BEN0161	
Period 1	Number (13.2)		.15	Instantaneous reserve (IR) quantity for trading period 1 (00:00 to 00:30)
Period 2	Number (13.2)	N	.67	IR quantity for trading period 2
~	Number (13.2)	N	~	IR quantity for trading period N (i.e. one field/column for each of trading periods 3 to 45 inclusive)
Period 46	Number (13.2)	N	.55	IR quantity for trading period 46
Period 47	Number (13.2)	Y*	.51	IR quantity for trading period 47 (* null if DLS start date)
Period 48	Number (13.2)	Y*	.61	IR quantity for trading period 48 (* null if DLS start date)
Period 49	Number (13.2)	Y*	.43	IR quantity for trading period 49 (* null unless DLS end date)
Period 50	Number (13.2)	Y*	.4	IR quantity for trading period 50 (* null unless DLS end date)
Total	Number (13.2)		12.5	

3.14. Ancillary services instantaneous reserve summary (ASIR_SUM)

A summary of total instantaneous reserve quantity per half-hour over all locations traded at by the participant.

Filename format: [filename prefix]_ASIR_SUM_[Invoice ID].csv

Field	Format	Nullable	Example	Notes
Trading date	Date (dd-mon-yyyy)	N	01-Apr-2012	
Participant code	Char (4)	N	MERI	
Period 1	Number (13.2)	N	.92	Total Instantaneous reserve quantity (all grid points) for participant for trading period 1 (00:00 to 00:30)
Period 2	Number (13.2)	N	.67	Total quantity for trading period 2
~	Number (13.2)	N	~	Total quantity for trading period N (i.e. one field/column for each of trading periods 3 to 45 inclusive)
Period 46	Number (13.2)	N	.55	Total quantity for trading period 46
Period 47	Number (13.2)	Y*	.51	Total quantity for trading period 47 (* null if DLS start date)
Period 48	Number (13.2)	Y*	.61	Total quantity for trading period 48 (* null if DLS start date)
Period 49	Number (13.2)	Y*	.43	Total quantity for trading period 49 (* null unless DLS end date)
Period 50	Number (13.2)	Y*	.4	Total quantity for trading period 50 (* null unless DLS end date)
Total	Number (13.2)	N	35.42	

3.15. Ancillary services voltage support peaks (ASVP)

This file contains a summary of the participant's six highest kVAr peaks at each location in each ancillary services zone for the consumption period.

Filename format: [filename prefix]_ASVP_[Invoice ID].csv

Field	Format	Nullable	Example	Notes
Billing Period	Char (8)	N	Feb-2012	Consumption month (Mon-YYYY format)
Participant name	Varchar2 (50)	N	NZ Steel	Organisation name
Participant code	Char (4)	N	NZST	Industry code
Grid point	Varchar2 (8)	N	GLN0331	
Ancillary Services Zone	Number (2)	N	1	Zone number
Party Role	Char (4)	N	DIST	Ancillary services role
Peak 1 – Date	Date (dd-mon-yyyy)	N	02-Feb-2012	Date of highest kVAr peak
Peak 1 – Trading period	Number (2)	N	24	Trading period of highest kVAr peak
Peak 1 – kVAr quantity	Number (8.1)	N	9399.3	Highest kVAr peak demand
Peak 2 – Date	Date (dd-mon-yyyy)	N	02-Feb-2012	Date of 2 nd highest kVAr peak
Peak 2 – Trading period	Number (2)	N	25	Trading period of 2 nd highest kVAr peak
Peak 2 – kVAr quantity	Number (8.1)	N	9217.2	2 nd highest kVAr peak demand
Peak 3 – Date	Date (dd-mon-yyyy)	N	03-Feb-2012	Date of 3 rd highest kVAr peak
Peak 3 – Trading period	Number (2)	N	22	Trading period of 3 rd highest kVAr peak
Peak 3 – kVAr quantity	Number (8.1)	N	6056.2	3 rd highest kVAr peak demand
Peak 4 – Date	Date (dd-mon-yyyy)	N	03-Feb-2012	Date of 4 th highest kVAr peak
Peak 4 – Trading period	Number (2)	N	26	Trading period of 4 th highest kVAr peak
Peak 4 – kVAr quantity	Number (8.1)	N	5025.6	4 th highest kVAr peak demand
Peak 5 – Date	Date (dd-mon-yyyy)	N	19-Feb-2012	Date of 5 th highest kVAr peak
Peak 5 – Trading period	Number (2)	N	24	Trading period of 5 th highest kVAr peak
Peak 5 – kVAr quantity	Number (8.1)	N	4885.7	5 th highest kVAr peak demand
Peak 6 – Date	Date (dd-mon-yyyy)	N	02-Feb-2012	Date of 6 th highest kVAr peak

Field	Format	Nullable	Example	Notes
Peak 6 – Trading period	Number (2)	N	27	Trading period of 6 th highest kVAr peak
Peak 6 – kVAr quantity	Number (8.1)	N	4752.8	6 th highest kVAr peak demand
Average peak kVAr	Number (8.1)	N	6556.1	Average of the six peaks

3.16. Settlement of FTRs (SFTR)

This file contains one record per half-hour for each holding of an FTR product for the FTR period being settled, held by the FTR participant.

The sum of the Final FTR Payment amounts will be the 'Amount excl. GST' of the "SFTR" transaction in the TRAN file for that Invoice ID and FTR period (consumption/billing period). Final FTR Payment amounts will appear as amounts in the payee pro-forma ("TRAN" file 'Participant Type' = "G") and payer tax invoice ("TRAN" file 'Participant Type' = "P") for positive or negative amounts respectively.

Filename format: [filename prefix]_SFTR_[Invoice ID].csv

Field	Format	Nullable	Example	Notes
Invoice ID	Number (10)	N	12345	Invoice ID as per the TRAN file
FTR participant	Char (4)	N	MERI	
Product profile	Varchar2 (40)	N	24HR	Currently the only product profile is "24HR"
Hedge type	Varchar2 (3)	N	OBL	
Source hub	Char (3)	N	BEN	
Sink hub	Char (3)	N	OTA	
FTR period	Char (6)	N	201306	yyyymm
Holding code	Number (10)	N	1234567890	This is the FTR ID from the FTR Register
Quantity	Number(10.1)	N	50.1	MW
Acquisition cost	Number (10.2)	N	15.25	\$/MWh
Acquisition value	Number(10.2)	N	382.01	\$ (i.e. 25.05 MWh * 15.25 \$/MWh)
Trading date	Date	N	23/06/2013	dd/mm/yyyy
Trading period	Number (2)	N	42	1 to 48 (or 46/50 for DLS changeover dates) One record per trading period on each trading date in FTR period for a holding.
Price difference	Number (10.2)	N	14.85	\$/MWh (i.e. sink price – source price)
Initial FTR hedge value	Number (10.2)	N	356.96	\$ (i.e. 25.05 MWh * 14.85 \$/MWh)

Field	Format	Nullable	Example	Notes
FTR payment scaling factor	Number (1.6)	N	1.000000	Will be 1.0 if FTR period is revenue adequate or less than 1.0 if not revenue adequate.
Final FTR payment	Number (10.2)	N	-25.05	\$ (i.e. final (scaled) FTR hedge value (\$) – acquisition value (\$))

3.17. FTR Assignment Difference Payments (DFTR)

This file contains one record for each assignment difference payment that is being invoiced.

Assignor to clearing manager assignment difference payments will be included on a payer tax invoice addressed to the assignor for the billing period in which the assignment took place (i.e. the month after the assignment, *not* when the FTR itself is settled). Clearing manager to assignor assignment difference payments are invoiced when the FTR is settled. Assignments where there is no assignment difference payment will also be included in the file when the FTR is settled. Assignment difference payments will appear as amounts in the payee pro-forma (“TRAN” file ‘Participant Type’ = “G”) and payer tax invoice (“TRAN” file ‘Participant Type’ = “P”) for positive or negative amounts respectively.

The sum of the Assignment Difference Payment Amounts will be the ‘Amount excl. GST’ of the “DFTR” transaction in the TRAN file for that Invoice ID and (potentially in-the-future) FTR period (consumption/billing period).

Filename format: [filename prefix]_DFTR_[Invoice ID].csv

Field	Format	Nullable	Example	Notes
Invoice ID	Number (10)	N	12345	Invoice ID as per the TRAN file
Assignment Difference Payment payer	Char (4)	N	MERI	
Assignment Difference Payment payee	Char (4)	N	NZCM	E.g. assignor to clearing manager Assignment Difference Payment (because disclosed assignment price < assignor acquisition cost)
Product profile	Varchar2 (40)	N	24HR	Currently the only product profile is “24HR”
Hedge type	Varchar2 (3)	N	OBL	
Source hub	Char (3)	N	BEN	
Sink hub	Char (3)	N	OTA	
FTR period	Char (6)	N	201306	yyyymm
Holding code	Number (10)	N	1234567890	This is the FTR ID from the FTR Register

Field	Format	Nullable	Example	Notes
Assigned quantity	Number(10.1)	N	25.4	MW
Assignment date	Date	N	30/05/2013	dd/mm/yyyy
Assignor's acquisition cost	Number (10.2)	N	14.02	\$/MWh
Disclosed assignment price	Number (10.2)	Y	13.55	\$/MWh
Assignment Difference Payment amount	Number (10.2)	Y	8595.36	\$ (i.e. (14.02 – 13.55) \$/MWh * 25.4 MW * 720 h)

3.18. FTR Reconfiguration Amount payments (RFTR)

This file contains one record for each reconfiguration amount that is being invoiced.

Reconfiguration amounts (being the recorded loss or gain to a participant as a result of a reconfiguration auction) will be included on a payer tax invoice addressed to the payer for the billing period in which the FTR is settled. Reconfiguration Amounts where there was no difference between original acquisition costs and reconfiguration price will also be included in the file with zero value when the FTR is settled. Reconfiguration Amounts will appear as amounts in the payee pro-forma ("TRAN" file 'Participant Type' = "G") and payer tax invoice ("TRAN" file 'Participant Type' = "P") for positive or negative amounts respectively.

The sum of the Reconfiguration Amounts will be the 'Amount excl. GST' of the "RFTR" transaction in the TRAN file for that Invoice ID and FTR period (consumption/billing period).

Filename format: [filename prefix]_RFTR_[Invoice ID].csv

Field	Format	Nullable	Example	Notes
Invoice ID	Number (10)	N	12345	Invoice ID as per the TRAN file
Reconfiguration Amount payer	Char (4)	N	MERI	
Reconfiguration Amount payee	Char (4)	N	NZCM	E.g. seller to clearing manager Reconfiguration Amount (because reconfiguration amount price < seller acquisition cost)
Product profile	Varchar2 (40)	N	24HR	Currently the only product profile is "24HR"
Hedge type	Varchar2 (3)	N	OBL	
Source hub	Char (3)	N	BEN	
Sink hub	Char (3)	N	OTA	
FTR period	Char (6)	N	201306	yyyymm
Holding code	Number (10)	N	1234567890	This is the FTR ID from the FTR Register

Field	Format	Nullable	Example	Notes
Reconfigured quantity	Number(10.1)	N	25.4	MW
Reconfiguration date	Date	N	30/05/2013	dd/mm/yyyy
Original acquisition cost	Number (10.2)	N	14.02	\$/MWh
Reconfiguration price	Number (10.2)	Y	13.55	\$/MWh
Reconfiguration Amount	Number (10.2)	Y	8595.36	\$ (i.e. (14.02 – 13.55) \$/MWh * 25.4 MW * 720 h)

3.19. Statement file

This file contains a record for each invoice issued to a participant in respect of a billing period and the net amounts payable by and/or to the participant.

Rows with an invoice ID show the invoice amounts (AOp or AOcm) and the total statement AOp or AOcm as well as the SRA, AP and other amounts.

Rows without an invoice ID show the total of the invoices AOp or AOcm on that statement.

Columns from “Spot market SRA ratio” onwards are the same for all rows.

Filename format: [billing period ID]_[invoice date]_[participant code]_[statement number]_Statement.csv

Field	Format	Nullable	Example	Notes
Statement number	Number(10)	N	1951	Invoice ID as per the TRAN file
Billing period ID	Number(10)	N	223	Unique number assigned to each billing period
Participant code	Char(4)	N	TRUS	
Statement date	Date	N	02/10/2012	
Invoice type	Char(3)	N	GEN	GEN=Generator PUR=Purchaser
Amounts owing by	Char(50)	N	Amounts Owing by the Participant (AOp)	Either amounts owing by the participant or amounts owing by the clearing manager
Invoice ID	Number(10)	Y	77399	Invoice ID as per the TRAN file
Net amount	Number(22,2)	N	11356.40	Amount excl. GST
GST amount	Number(22,2)	N	1703.46	If applicable
Total amount	Number(22,2)	N	13059.86	Net amount + GST
Spot market SRA ratio	Number(14,10)	N	0.114537	Settlement retention ratio in the spot market
FTR market ratio	Number(14,10)	N	0.032419	Settlement retention ratio in the FTR market
Spot market SRA amount	Number(20,2)	N	1495.84	Spot market settlement retention amount

Field	Format	Nullable	Example	Notes
FTR market SRA amount	Number(20,2)	N	142.29	FTR market settlement retention amount
Total SRA amount	Number(20,2)	N	1638.13	Total settlement retention amount
Prepayments used	Number(20,2)	N	200.19	Prepayments that have been provided and used
Prepayments kept by CM	Number(20,2)	N	299.81	Excess prepayments to be applied in a future period
Prepayments returned to participant	Number(20,2)	N	0	Excess prepayments to be returned to the participant
Amount payable by participant	Number(20,2)	N	2000.37	Amount participant must pay the clearing manager
Amount payable by CM	Number(20,2)	N	147.63	Amount the clearing manager must pay the participant
Net amount payable by CM	Number(20,2)	N	147.63	Amount payable by the clearing manager + prepayments returned