

EIEP5

Service Interruptions version 6.0

Protocol and Guideline

Version control

Version history

This document replaces all previous versions (Inclusive of format, protocol, and examples)

Version	Date	Issue description
V1.0		Initial release
V2.0	April 2004	
V3.0	1 November 2005	Draft for review
V4.0	30/31 May 2006	Draft for approval by Electricity Commission Board
V5.0	8 June 2006	Electricity Commission Board approved
V6.0	6 October 2008	Formatted into the Electricity Commission's current style

Change history

Version	Date	Changes
V2.0	April 2004	Contains consistency changes.
V3.0	1 November 2005	Split format and guide into new structure Changes to format as per DRIEPS Survey Review Draft for review
V4.0	30/31 May 2006	Draft for Electricity Commission Board approval
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Related documents

Document	Type	Description
Principles of the data format and reports catalogue	Guide	Overarching guide to use of Data Format Catalogue and General principles for use of Electricity Information Exchange

		Protocols
Data format and reports catalogue (DFRC)	List	Listing of all currently available formats and association between documents

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1. Purpose

- 1.1.1 This guideline provides the details of how distributors provide information relevant to planned and unplanned service interruptions. Two different file types are provided for in this protocol:
- (a) single event service interruptions; and
 - (b) multiple event service interruptions.

2. Service interruptions

- 2.1.1 For single event service interruptions, the distributor provides a single off-time and a single on-time on the same day for a list of affected installation control points (ICP).
- 2.1.2 For multiple event service interruptions, the power can be interrupted on consecutive or near-consecutive days for affected ICPs.
- 2.1.3 The format file can be used for initial advice of interruptions to supply; updates on the interruption to supply, and for advice when the supply has been restored.
- 2.1.4 For planned service interruptions, this file is to be used by distributors to give retailers prior warning that a planned service interruption will affect designated ICPs in a particular area on a given date, and includes the power off/power on times. The file also includes information regarding an alternative date if the planned service interruption cannot take place on the original start date.
- 2.1.5 For unplanned service interruptions this file is to be used by distributors to notify retailers that an interruption to the power supply in a particular area has occurred. A list of the ICPs affected should be included if readily available.
- 2.1.6 This format can also be used for status updates on outages. Should a group of ICPs be restored earlier, or should a handful be restored later, any update should be sent under the same S/R number. The recipient is to ensure that they apply the files in the order that they receive it, the latest information being the most current.
- 2.1.7 Where, in accordance with the use of system agreement, retailers are required to provide advance notification to customers of a planned service interruption the planned service interruption file will be used as a source file for a mail merge.
- 2.1.8 The file may also be used by retailers to record details of planned and unplanned service interruptions within their customer information systems.

3. Singular service interruptions

- 3.1.1 This file type should be used for singular service interruptions – i.e. where the interruption to the power supply is a single event (one given time for the power to go off and another for the power to be restored usually on the same day).

3.2 File transport mechanism

- 3.2.1 Two file transport mechanisms are available for the transfer of data:
- (a) Manual (via email) to a nominated email address; and
 - (b) Electronic (via file transfer protocol (FTP)) to a specified FTP inbox.
- 3.2.2 The actual mechanism used and destination address is to be configurable at file type level as agreed between the parties. In the case of FTP a security mechanism will be necessary to protect confidentiality. The ability to retrieve files from a remote FTP outbox is not part of this definition.

3.3 Field delimiters

- 3.3.1 The information is to be provided as a comma delimited text file. Commas are therefore prohibited within fields. Where portions of a field require separation, a tilde character (~) should be used. If commas are present in the fields, use quotation marks to exclude them as separators, as per the DOS CSV format.
- 3.3.2 The file format area in this document includes XML tags to enable the move to XML format as and when participants have the capacity to do so. (the XML schema will be published with the file format document when it is defined).

3.4 Case sensitivity

- 3.4.1 Matching of file names, code list values, etc, is to be case insensitive.

3.5 Communication types

Communication type	Description
PLS	Planned Service Interruption - Initial Advice
PLR	Planned Service Interruption - Rescheduled
PLC	Planned Service Interruption - Cancellation
UPI	Unplanned Service Interruption - Initial Advice
UPU	Unplanned Service Interruption - Update
UPR	Unplanned Service Interruption - Supply Restored

- 3.5.1 Log jobs – if log jobs is designated as N, the distributor is requesting that the retailer not send any further notification through to the distributor regarding the fault unless it is for safety or emergency reasons or additional details have been provided that may be useful to locate or assist with service interruption restoration.

4. Multiple service interruptions

- 4.1.1 This protocol is intended to be used by distributors to provide information to retailers relevant for multiple planned service interruptions (ie which take place at given times on consecutive or near-consecutive days for a group of ICPs listed by the distributor).

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- 4.2.1 Two file transport mechanisms are available for the transfer of data:
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- 4.3.2 The file format area in this document includes XML tags to enable the move to XML format as and when participants have the capacity to do so. (the XML schema will be published with the file format document when it is defined).

4.4 Case sensitivity

- 4.4.1 Matching of file names, code list values, etc, is to be case insensitive.

5. File format for EIEP5: single service interruptions

Data content
and format

Each data file will contain one header record and one or many detail records.

Description	Type	XML Tag	Rule	Example
Header record type	Char (3)	<RowType>	HDR – indicates the row is a header record type	HDR
File type	Char (7)	<FileType>	Type of outage PLINT for Planned UPINT for Unplanned	PLINT
Sender	Char (4)	<Sender>	Party code of sender	UNET
Recipient	Char (4)	<Recipient>	Party code of recipient	TRUS
Report run date	DD/MM/YYYY Y	<RunDate>	Date the report is run	02/08/2000
Report run time	HH:MM:SS	<RunTime>	Time the report is run	17:32:02
Unique identifier	Num(12)	<Identifier>	Number that uniquely identifies the report	123243526252
Number of detail records	Num (8)	<RecordCount >	Total number of records in report Mandatory for Planned Optional for Unplanned	4
Distributor event number	Char (15)	<EventNumber >	Distributor's unique reference number for service interruption	1/15478965
Interruption start date	DD/MM/YYYY Y	<StartDate>	Date interruption to commence	01/11/1999
Expected or actual restore date	DD/MM/YYYY Y	<RestoreDate >	Most accurate indication of date when power will be restored	01/11/1999
Start time	HH:MM	<StartTime>	Start time for interruption	09:00

Expected or actual restore time	HH:MM	<RestoreTime>	Most accurate indication of time when power will be restored	13:00
Alternative date	DD/MM/YYYY	<AlternativeDate>	Alternative date if planned interruption cannot proceed on original start date. Can be Null	02/11/1999
Communication type	Char (3)	<ComType>	See PG Document	PLS
Street/area affected	Char (255)	<AffectArea>	Best description of locality affected	Otumoetai
Log jobs	Char (1)	<LogJob>	Confirm if retailer to advise of any new interruptions reported in same area Mandatory for Unplanned	Y
Reason for Interruption	Char (50)	<Reason>	Description of cause of interruption to supply	To cut down trees

Description	Type	XML Tag	Rule	Example
Detail record type	Char (3)	<RecordType>	DET – indicates the row is a detail record.	DET
ICP	Char (15)	<ICP>	ICP 15 character unique identifier	0123456789XX CCC
Transformer/feeder	Char (20)	<Feeder>	This is provided in the cases where the Retailer links using this information.	T759

6. File format for EIEP5: multiple service interruptions

Data content
and format

Each data file will contain one header record and one or many detail records.

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Recipient	Char (4)	<Recipient>	Party code of recipient	TRUS
Report run date	DD/MM/YYYY	<RunDate>	Date the report is run	02/08/2000
Report run time	HH:MM:SS	<RunTime>	Time the report is run	17:32:02
Unique identifier	Num(12)	<Identifier>	Number that uniquely identifies the report	123243526252
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Distributor event number	Char (15)	<EventNumber >	Distributor's unique reference number for service interruption	1/15478965

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Communication type	Char (3)	<ComType>	See PG document	PLS
Street/area affected	Char (255)	<AffectArea>	Best description of locality affected	Otumoetai
Log jobs	Char (1)	<LogJob>	Confirm if retailer to advise of any new interruptions reported in same area Mandatory for Unplanned	Y
Reason for Interruption	Char (50)	<Reason>	Description of cause of interruption to supply	To cut down trees
Number of interruptions notified	Num 1	<Nointerruptions>	Number of interruptions notified (up to a maximum of 5)	5
Interruption 1 start date	DD/MM/YY YY	<StartDate1>	Date first interruption to commence	01/11/1999
Interruption 1 restore date	DD/MM/YY YY	<RestoreDate1>	Most accurate indication of date when power will be restored for first interruption	01/11/1999
Interruption 1 start time	HH:MM	<StartTime1>	Start time for first interruption	09:00
Interruption 1 expected or actual restore time	HH:MM	<RestoreTime1>	Most accurate indication of time when power will be restored for first interruption	13:00
Interruption 1 alternative date	DD/MM/YY YY	<AlternativeDate1>	Alternative date if first planned interruption cannot proceed on proposed start date. Can be Null	02/11/1999

Description	Type	XML Tag	Rule	Example
Interruption 2 start date	DD/MM/YY YY	<StartDate2>	Date second interruption to commence	03/11/1999
Interruption 2 restore date	DD/MM/YY YY	<RestoreDate2>	Most accurate indication of date when power will be restored for second interruption	03/11/1999
Interruption 2 start time	HH:MM	<StartTime2>	Start time for second interruption	09:00
Interruption 2 expected or actual restore time	HH:MM	<RestoreTime2>	Most accurate indication of time when power will be restored for second interruption	13:00
Interruption 2 alternative date	DD/MM/YY YY	<AlternativeDate2>	Alternative date if second planned interruption cannot proceed on proposed start date. Can be Null	04/11/1999
Interruption 3 start date	DD/MM/YY YY	<StartDate3>	Date third interruption to commence	05/11/1999
Interruption 3 restore date	DD/MM/YY YY	<RestoreDate3>	Most accurate indication of date when power will be restored for third interruption	05/11/1999
Interruption 3 start time	HH:MM	<StartTime3>	Start time for third interruption	09:00
Interruption 3 expected or actual restore time	HH:MM	<RestoreTime3>	Most accurate indication of time when power will be restored for third interruption	13:00
Interruption 3 alternative date	DD/MM/YY YY	<AlternativeDate3>	Alternative date if third planned interruption cannot proceed on proposed start date. Can be Null	06/11/1999
Interruption 4 start date	DD/MM/YY YY	<StartDate4>	Date fourth interruption to commence	07/11/1999

Description	Type	XML Tag	Rule	Example
Interruption 4 restore date	DD/MM/YY YY	<RestoreDate4>	Most accurate indication of date when power will be restored for fourth interruption	07/11/1999
Interruption 4 start time	HH:MM	<StartTime4>	Start time for fourth interruption	09:00
Interruption 4 expected or actual restore time	HH:MM	<RestoreTime4>	Most accurate indication of time when power will be restored for fourth interruption	13:00
Interruption 4 alternative date	DD/MM/YY YY	<AlternativeDate4>	Alternative date if fourth planned interruption cannot proceed on proposed start date. Can be Null	08/11/1999
Interruption 5 start date	DD/MM/YY YY	<StartDate5>	Date fifth interruption to commence	09/11/1999
Interruption 5 restore date	DD/MM/YY YY	<RestoreDate5>	Most accurate indication of date when power will be restored for fifth interruption	09/11/1999
Interruption 5 start time	HH:MM	<StartTime5>	Start time for fifth interruption	09:00
Interruption 5 expected or actual restore time	HH:MM	<RestoreTime5>	Most accurate indication of time when power will be restored for fifth interruption	13:00
Interruption 5 alternative date	DD/MM/YY YY	<AlternativeDate5>	Alternative date if fifth planned interruption cannot proceed on proposed start date. Can be Null	10/11/1999