



Emergency / Load Management Compliance Upload File Specification



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1.2 Revision

Version #	Date	Author	Description
1.0	06/25/2007	O.F.	Initial Creation
1.1	07/16/2007	G. D. McNamee	Modified the following: 1.4 – Changed the type from Date Time to Time for DLC Event Start 1, Event Stop 1, DLC Event Start 2, Event Stop 2 1.6 – Provided updated screen shot from a test file 1.6 – Added the CSV format shown in graphic in raw format 1.6 – Added a helpful hint for using Microsoft Excel



1.3 Introduction

The purpose of this specification is intended to define the proper file and data point's format for the Emergency and Load Management compliance upload file that will be used by participants for uploading meter data into the Load Response Program (LRP). Participants will use this document as a reference as to how data must be entered and formatted on the comma separated version (.CSV) file prior to being uploaded in the LRP system. This document is subject to change as more data fields are required and their details are fleshed out.

1.4 General Format of the “COMPLIANCE_UPLOAD.CSV”

The file to be submitted will be of type .csv and titled COMPLIANCE_UPLOAD. All instances of the file should be uploaded with the same name.

The table below details data point names, descriptions, types and format examples that must be followed by a participant when entering data into the COMPLIANCE_UPLOAD.CSV. This file will contain formatted meter data for Emergency and/or LM Compliance Events and will be uploaded into the LRP via its “New Compliance Data” user interface.

Column Header Name	Type	Definition	Example
Registration ID	Number (positive whole numbers only)	Load Response Registration ID for customer being reported	12345
Date Hour Beginning	Date time	Date and hour of Data being uploaded	6/5/2007 11:00
Event Type	L/E	Indicator for the type of event the record represents (Load Management / Emergency)	L
Energy CBL	Number (positive whole numbers only)	Emergency Energy CBL (kWh)	1500
Capacity Profile	Number (positive whole numbers only)	Capacity compliance profile (kWh)	1500
Metered Load	Number (positive whole numbers only)	Metered Load (kWh)	1000



Energy Loss Factor	Number (positive nubers between 1 and 2, with precision of 5 decimal places)	Energy loss factor associated with Emergency Energy CBL.	1.23456
GLD CBL Method	Text	Method used to calculate CBL for Guaranteed Load Drop. Valid values are: Null Value (for non- GLD) Comparable Day Profile Regression Same Day Similar Day Generation	Similar Day
DLC Event Start 1	Time	Direct Load Control Event Start time (1of 2)	12:34
DLC Event Stop 1	Time	Direct Load Control Event Stop time (1of 2)	12:34
DLC Event Start 2	Time	Direct Load Control Event Start time (2of 2)	12:34
DLC Event Stop 2	Time	Direct Load Control Event Stop time (2of 2)	12:34
Withdraw	Y/N	Indicator to withdraw this hour as previously submitted	Y



1.5 LM Program Type File Validation

The following table describes validations that must occur for a registration and depends on the Program type and the LM program type.

Compliance Reporting Matrix for Load Response - Load Management

	Energy CBL	Capacity Profile	Metered Load	Energy Loss Factor	GLD CBL Method	DLC Event Start/Stop	Event Type
DLC - Emergency (Full)*	N	N	N	N	N	Y	L
DLC - Emergency (Full)*	Y	N	Y	O	N	N	E
DLC-Emer Cap Only	N	N	N	N	N	Y	L
DLC - Emerg -Energy only	Y	N	Y	O	N	N	E
FSL - Emergency (Full)*	N	N	Y	N	N	N	L
FSL - Emergency (Full)*	Y	N	Y	O	N	N	E
FSL-Emer Cap Only	N	N	Y	N	N	N	L
FSL Emerg -Energy only	Y	N	Y	O	N	N	E
GLD - Emergency (Full)*	N	Y	Y	N	Y	N	L
GLD - Emergency (Full)*	Y	N	Y	O	N	N	E
GLD-Emer Cap Only	N	Y	Y	N	Y	N	L
GLD - Emerg- Energy only	Y	N	Y	O	N	N	E
Non LM Emergency Energy Only	Y	N	Y	O	N	N	E

Y - Must be reported

N - Must not be Reported

O - Reporting Optional

* - For Simultaneous events, report LM and Emerg Energy Separately



1.6 Sample File

The following image depicts a sample .CSV file in Microsoft Excel format.

A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	
1	Registration Date	Hour	Begin/End	Event Type	Capacity	F Metered	Lt Energy	CE	Capacity	CE	Capacity	CE	Capacity	CE	Capacity	CE	Capacity	CE	Capacity
2	11/19/06	18:00	11:00	E	100	75	1.0625												
3	11/19/06	18:00	12:00	E	100	50	1.0625												
4	11/19/06	18:00	13:00	E	100	0	1.0625												
5	11/19/06	18:00	14:00	E	100	0	1.0625												
6	11/19/06	18:00	15:00	E	100	0	1.0625												
7	11/19/06	18:00	16:00	E	100	0	1.0625												
8	12/416	06/18/2007	12:00	L	200	50		Similar Day											
9	12/416	06/18/2007	13:00	L	200	50		Similar Day											
10	12/416	06/18/2007	14:00	L	200	50		Similar Day											
11	12/416	06/18/2007	15:00	L	200	50		Similar Day											
12	12/416	06/18/2007	16:00	L	200	50		Similar Day											
13	12/416	06/18/2007	17:00	L	200	50		Similar Day											
14	12/416	06/18/2007	18:00	L	200	50		Similar Day											
15	12/416	06/18/2007	19:00	L	200	50		Similar Day											
16	12/503	06/18/2007	00:00	L	200	50		Similar Day	12.45	19.59									
17	12/584	06/18/2007	12:00	L	50	25	1.0625												
18	12/584	06/18/2007	13:00	L	25	0	1.0625												
19	12/584	06/18/2007	14:00	L	0	0	1.0625												
20	12/584	06/18/2007	15:00	L	0	0	1.0625												
21	12/584	06/18/2007	16:00	L	0	0	1.0625												
22	12/584	06/18/2007	17:00	L	50	75	1.0625												
23	12/584	06/18/2007	18:00	L	75	100	1.0625												
24	12/584	06/18/2007	19:00	L	100	100	1.0625												
25	12/618	06/18/2007	00:00	L	200	175	1.0625	Profile	12.30	20.01									
26	12/609	06/18/2007	11:00	E	200	100	1.0625	Profile											
27	12/609	06/18/2007	12:00	E	200	100	1.0625	Profile											
28	12/609	06/18/2007	13:00	E	200	0	1.0625	Profile											
29	12/609	06/18/2007	14:00	E	200	0	1.0625	Profile											
30	12/609	06/18/2007	15:00	E	200	0	1.0625	Profile											
31	12/609	06/18/2007	16:00	E	200	25	1.0625	Profile											
32	11/19/06	18:00	12:00	L	200	50	1.0625	Profile											
33	11/19/06	18:00	13:00	L	200	50	1.0625	Profile											
34	11/19/06	18:00	14:00	L	200	50	1.0625	Profile											
35	11/19/06	18:00	15:00	L	200	50	1.0625	Profile											
36	11/19/06	18:00	16:00	L	200	50	1.0625	Profile											
37	11/19/06	18:00	17:00	L	200	50	1.0625	Profile											
38	11/19/06	18:00	18:00	L	200	50	1.0625	Profile											
39	11/19/06	18:00	19:00	L	200	75	1.0625	Profile											
40	12/609	06/18/2007	12:00	L	200	100	1.0625	Profile											
41	12/609	06/18/2007	13:00	L	200	100	1.0625	Profile											
42	12/609	06/18/2007	14:00	L	200	0	1.0625	Profile											
43	12/609	06/18/2007	15:00	L	200	0	1.0625	Profile											
44	12/609	06/18/2007	16:00	L	200	0	1.0625	Profile											
45	12/618	06/18/2007	11:00	E	50	0	1.098	Profile											
46	12/618	06/18/2007	12:00	E	50	0	1.098	Profile											
47	12/618	06/18/2007	13:00	E	50	0	1.098	Profile											



The following depicts the file above in raw format:

```

Registration_ID,Date_Hour Beginning,Event Type,Energy CBL (kW),Capacity Profile
(kW),Metered Load (kWh),Energy Loss Factor,GLD CBL Method,DLC Event 1 Start,DLC Event 1
Stop,DLC Event 2 Start,DLC Event 2 Stop,Withdraw
11191,06/18/2007 11:00,E,100,,75,1.0625,,,,,N
11191,06/18/2007 12:00,E,100,,50,1.0625,,,,,N
11191,06/18/2007 13:00,E,100,,0,1.0625,,,,,N
11191,06/18/2007 14:00,E,100,,0,1.0625,,,,,N
11191,06/18/2007 15:00,E,100,,0,1.0625,,,,,N
11191,06/18/2007 16:00,E,100,,0,1.0625,,,,,N
12416,06/18/2007 12:00,L,,200,50,,Similar Day,,,,,N
12416,06/18/2007 13:00,L,,200,50,,Similar Day,,,,,N
12416,06/18/2007 14:00,L,,200,50,,Similar Day,,,,,N
12416,06/18/2007 15:00,L,,200,50,,Similar Day,,,,,N
12416,06/18/2007 16:00,L,,200,50,,Similar Day,,,,,N
12416,06/18/2007 17:00,L,,200,50,,Similar Day,,,,,N
12416,06/18/2007 18:00,L,,200,50,,Similar Day,,,,,N
12416,06/18/2007 19:00,L,,200,50,,Similar Day,,,,,N
12503,06/18/2007 00:00,L,,,,,12:45,19:59,,N
12584,06/18/2007 12:00,L,,50,,,,,N
12584,06/18/2007 13:00,L,,25,,,,,N
12584,06/18/2007 14:00,L,,0,,,,,N
12584,06/18/2007 15:00,L,,0,,,,,N
12584,06/18/2007 16:00,L,,0,,,,,N
12584,06/18/2007 17:00,L,,50,,,,,N
12584,06/18/2007 18:00,L,,75,,,,,N
12584,06/18/2007 19:00,L,,100,,,,,N
12818,06/18/2007 00:00,L,,,,,12:30,20:01,,N
12809,06/18/2007 11:00,E,200,,175,1.0625,Profile,,,,,N
12809,06/18/2007 12:00,E,200,,100,1.0625,Profile,,,,,N
12809,06/18/2007 13:00,E,200,,0,1.0625,Profile,,,,,N
12809,06/18/2007 14:00,E,200,,0,1.0625,Profile,,,,,N
12809,06/18/2007 15:00,E,200,,0,1.0625,Profile,,,,,N
12809,06/18/2007 16:00,E,200,,25,1.0625,Profile,,,,,N
11191,06/18/2007 12:00,L,,50,,,,,N
11191,06/18/2007 13:00,L,,0,,,,,N
11191,06/18/2007 14:00,L,,0,,,,,N
11191,06/18/2007 15:00,L,,0,,,,,N
11191,06/18/2007 16:00,L,,0,,,,,N
11191,06/18/2007 17:00,L,,0,,,,,N
11191,06/18/2007 18:00,L,,50,,,,,N
11191,06/18/2007 19:00,L,,75,,,,,N
12809,06/18/2007 12:00,L,,200,100,,Profile,,,,,N
12809,06/18/2007 13:00,L,,200,0,,Profile,,,,,N
12809,06/18/2007 14:00,L,,200,0,,Profile,,,,,N
12809,06/18/2007 15:00,L,,200,0,,Profile,,,,,N
12809,06/18/2007 16:00,L,,200,0,,Profile,,,,,N
12818,06/18/2007 11:00,E,50,,0,1.098,,,,,N
12818,06/18/2007 12:00,E,50,,0,1.098,,,,,N
12818,06/18/2007 13:00,E,50,,0,1.098,,,,,N

```



12818,06/18/2007 14:00,E,50,,0,1.098,,,,,N
 12818,06/18/2007 15:00,E,50,,0,1.098,,,,,N
 12818,06/18/2007 16:00,E,50,,0,1.098,,,,,N
 12503,06/18/2007 11:00,E,1100,,0,1.098,,,,,N
 12503,06/18/2007 12:00,E,1100,,0,1.098,,,,,N
 12503,06/18/2007 13:00,E,1100,,0,1.098,,,,,N
 12503,06/18/2007 14:00,E,1100,,0,1.098,,,,,N
 12503,06/18/2007 15:00,E,1100,,0,1.098,,,,,N
 12503,06/18/2007 16:00,E,1100,,0,1.098,,,,,N
 12416,06/18/2007 11:00,E,150,,75,1.0625,Similar Day,,,,,N
 12416,06/18/2007 12:00,E,150,,50,1.0625,Similar Day,,,,,N
 12416,06/18/2007 13:00,E,150,,25,1.0625,Similar Day,,,,,N
 12416,06/18/2007 14:00,E,150,,0,1.0625,Similar Day,,,,,N
 12416,06/18/2007 15:00,E,150,,0,1.0625,Similar Day,,,,,N
 12416,06/18/2007 16:00,E,150,,0,1.0625,Similar Day,,,,,N
 12584,06/18/2007 11:00,E,100,,75,,,,,,N
 12584,06/18/2007 12:00,E,100,,50,,,,,,N
 12584,06/18/2007 13:00,E,100,,25,,,,,,N
 12584,06/18/2007 14:00,E,100,,0,,,,,,N
 12584,06/18/2007 15:00,E,100,,0,,,,,,N
 12584,06/18/2007 16:00,E,100,,0,,,,,,N

Note when using Microsoft Excel, the dates will be formatted as m/d/yyyy h:mm. To change this format, highlight all the cells under DATE_HOUR BEGINNING, right click, select FORMAT CELLS. Select the CUSTOM Category, scroll down to find **m/d/yyyy h:mm** under type and select it. Modify the type to **mm/dd/yyyy hh:mm**.

1.7 User Interface to Upload file to LoadResponse



A screenshot of a Microsoft Internet Explorer browser window. The title bar reads "Load Response Compliance Data - Microsoft Internet Explorer provided by PJM Interconnection". The address bar shows "http://app01.alt.pjm.com:7010/LoadResponse/loadComplianceData.do". The browser's menu bar includes File, Edit, View, Favorites, Tools, and Help. The toolbar contains Back, Forward, Stop, Home, Search, Favorites, Media, Print, and Refresh. The Links bar includes Google, PJM, PJM Life, NOAA, Radio, Traffic, Weather, MSRS, eSuite, and Localhost Console. The main content area has a navigation menu with links for Home, Customer Management, New Registration, New Compliance Data, and E-mail Management. The page title is "Upload Compliance Data". Below the title is a text input field followed by a "Browse..." button. Below that is an "Upload File" button. At the bottom of the page, it says "PJM © 2007 All rights reserved". The status bar at the bottom left shows "Done".