

# CREDIT SUPPORT WEBPAGE USER MANUAL

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# Version Control

<b>VERSION</b>	<b>DATE</b>	<b>DETAILS</b>
1.0	24/4/09	Initial Version
1.1	12/10/09	Update to AEMO format

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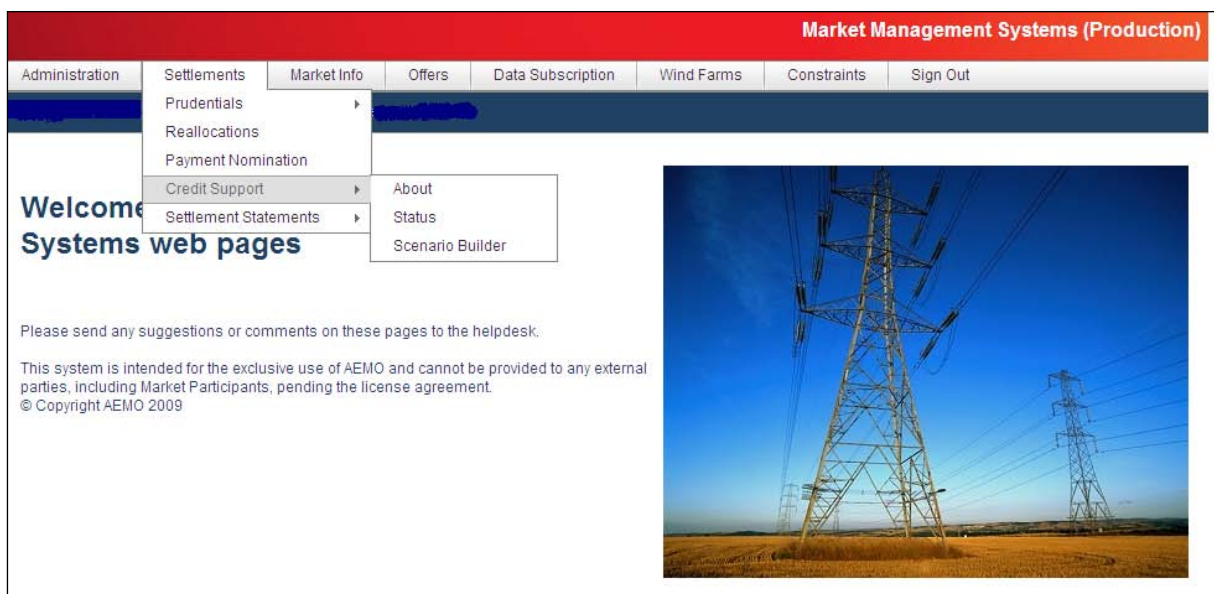
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## 1. Introduction

The Credit Support Webpage is a web-based interface implemented in the MMS web browser to provide a facility for the NEM Participants to view and analyse their Credit Support.

The page features a Status Page which provides the current picture of a Participant's credit support and a Scenario Analysis Page which allows the NEM Participants to experiment with their Bank Guarantee structure without the changes being saved into the Market Management System.

## 2. Location and Components



The Credit Support Webpage can be accessed from the MMS Webpage under the Settlements Tab.

The webpage consists of three components:

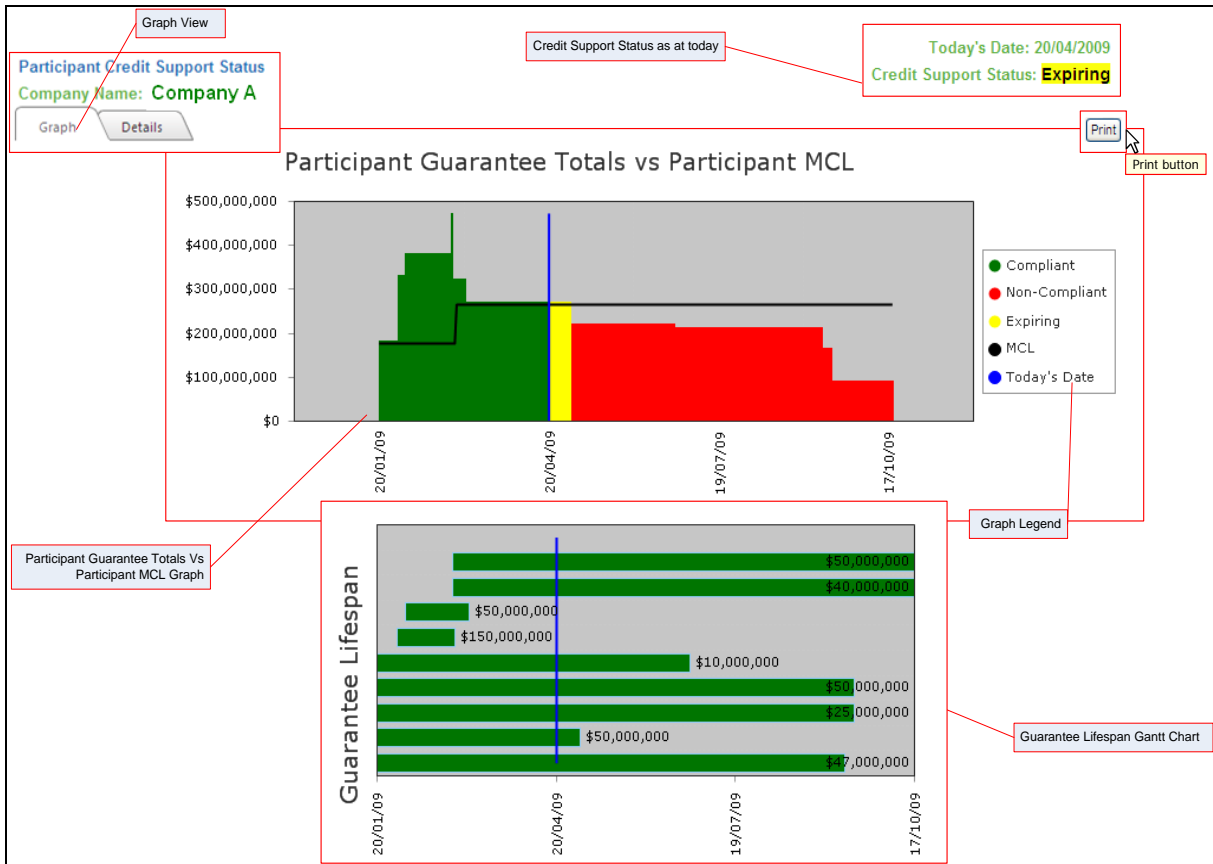
- The **About** page provides an overview of the Credit Support Webpage.
- The **Status** page provides a numerical and graphical update of a Company's current Credit Support.
- The **Scenario Builder** page is a mock-up page which will assist the user in planning and managing a Company's Credit Support instruments.

## 3. Status Page

The Status page consists of two tabs:

- The **Graph Tab** provides a graphical view of a Company's Credit Support Status against the Company's Maximum Credit Limit (MCL).
- The **Details Tab** provides a data summary of a Company's Credit Support Status against the Company's Maximum Credit Limit (MCL).

### 3.1 Graph Tab



The Graph Tab consists of two aligned graphs that should be read/analysed concurrently.

- 1. Participant Guarantee Totals Vs Participant MCL** – provides the total of all active credit support against the Company's Maximum Credit Limit (MCL). This graph displays data from 3 months in the past to 6 months in the future.
- 2. Guarantee Lifespan Chart** – displays individual Credit Support/Bank Guarantees in a Gantt chart. This graph displays data from 3 months in the past to 6 months in the future.

Other components in the Graph Tab:

- **Graph Legend** - uses colours to guide the user while analysing the graphs.

The colours are as follows:

- **Green** is for Compliant: Total Bank Guarantee >= MCL.
- **Red** is for Non-Compliant: Total Bank Guarantee < MCL.
- **Yellow** is for Expiring: A Bank Guarantee is expiring within 10 business days which will cause your Company's Total Bank Guarantee to be less than your Company's MCL. This is a form of non-compliance and guarantees need to be managed in order to avoid this Credit Support Status.
- **Black** is the Maximum Credit Limit for that date.
- **Blue** is today's date.

- **Credit Support Status** - provides a quick view of a Company's current Credit Support Status as at now. (Compliant, Non-Compliant, Expiring).
- **Print Button** – prints the page

### 3.2 Details Tab

**Participant Credit Support Status**  
 Company Name: **Company A**

Graph | **Details** | Details tab

Maximum Credit Limit (MCL) Link to MCL Schedule

Effective Date | Amount

01/12/2008	\$176,000,000
02/03/2009	\$266,100,000

Data in this section can be viewed in excel

**Current Active Credit Support**

Guarantee ID	Commencement Date	Expire Date	Amount	Demand Type	Bank
Grt-A	05/09/2008	17/09/2009	\$25,000,000	1 hour	Bank A
Grt-B	01/12/2008	26/06/2009	\$10,000,000	1 hour	Bank B
Grt-C	27/02/2009	12/12/2009	\$40,000,000	2 days	Bank C

**Current Totals**

Demand Type	Amount	Percentage	Min Percentage	Max Percentage
1 hour	\$185,000,000	68	60	100
2 days	\$87,000,000	31	0	40
7 days	\$0	0	0	20
Totals	\$272,000,000	100	100	100

**Upcoming Events**

Date	Event	Status
20/04/2009	Grt-D expiring, Total < MCL within 10 Business days	EXPIRING
02/05/2009	Grt-E expired, Total < MCL	NONCOMPLIANT
26/06/2009	Grt-F expired, Incorrect demand type ratio	NONCOMPLIANT
12/09/2009	Grt-G expired, Total < MCL	NONCOMPLIANT

Credit Support Status as at today

Today's Date: 20/04/2009  
 Credit Support Status: **Expiring**

Print Prints the page

The Details Tab consists of 4 main data sections:

1. **Maximum Credit Limit (MCL) Section** - displays current and any future scheduled changes to MCL details of a Company.
2. **Current Active Credit Support Section** - displays the details of each current/active Bank Guarantee of a Company.
3. **Current Totals Section** - displays the total breakdown of all active Bank Guarantees according to Demand Type breakdown.
  - Columns titled Min Percentage and Max Percentage show the total allowable ratio for a particular Demand Type.
  - An incorrect ratio of Bank Guarantees will result in a Non-Compliant Credit Support Status.
4. **Upcoming Events Section** - displays critical events that are coming up in the future.
  - The Status Column shows the resultant effect of the event (i.e. Compliant, Non-Compliant, Expiring).
  - Examples of an event could be an expiring Bank Guarantee that causes a Company's total Bank Guarantee to be less than the MCL, a new MCL, a Bank Guarantee expiring in 10 business days, etc.

Other components in the Details Tab:

- **Credit Support Status** - displays current status as of today's date.
- **Link to MCL Schedule** – displays the MCL schedule in the Settlements page of the AEMO website.
- **Print** – prints the page
- **Excel Export Button** – exports the data in the given section to a .csv file.

## 4. Scenario Builder

This page is a mock-up page whereby users can add, delete and edit mock-up Bank Guarantees. The associated graphs and numerical data are updated in real time. The aim of the page is to assist participants in planning and managing Bank Guarantees at the present time and in the future.

It is important to note that mock-up Guarantees are not saved into the Market Management System and therefore will not be counted as current/active Bank Guarantees in the Status Page. Information will be discarded when the page is closed.

The Scenario Builder Page contains all of the graphical and numerical data in the Status Page.

The Scenario Builder Page consists of 3 main components:

1. **The Scenario Builder Section** – provides a facility for the user to add, edit and delete mock-up Bank Guarantees.
  - Displays all the details of current/active Bank Guarantees.
2. **The Details View Tab Section**- displays both current/active Bank Guarantees and Bank Guarantees added/edited/deleted in the Scenario Builder Section.
  - Is updated in real time.
  - Features are the same as the Details Tab in the Status Page.



**3. The Graph View Tab Section** - displays both current/active Bank Guarantees and Bank Guarantees added/edited/deleted in the Scenario Builder Section.

- Is updated in real time.
- Features are the same as the Graph Tab in the Status Page.

Other components of the Scenario Builder Page:

- **Edit Button** – allows the user to edit a mock-up Bank Guarantees and existing Bank Guarantees
- **Delete Button** – allows the user to delete a mock-up Bank Guarantee
- **Print Button** – prints the page
- **Excel Export Button** – exports the data in the given section to a .csv file

**Note:**

The Return Date for existing Bank Guarantees has been defaulted to the Expiry date of the Bank Guarantee. Return Dates can be edited.

**4.1 Details Tab**

The screenshot displays the 'Participant Credit Support Status' page for 'Company A'. At the top, it shows 'Current Active Credit Support' with a status of 'Compliant' as of 20/04/2009. Below this is a table of bank guarantees with columns for Guarantee ID, Commencement Date, Expire Date, Amount, Demand Type, Bank, and Return Date. One record, 'ScenarioBuilder\_4:02:41 PM', is highlighted in purple, while others are in red. To the right of the table are buttons for 'Add new record', 'Export table to csv', and 'Refresh'. Below the table is a 'Change page' indicator showing 'Displaying page 2 of 2, items 5 to 8 of 8'. The 'Details View' tab is selected, showing a 'Maximum Credit Limit (MCL)' table with two entries. To the right is a 'Current Totals' table summarizing demand types by amount and percentage. Below that is an 'Upcoming Events' table listing dates and event descriptions like 'Grt-A expired, Total >= MCL'. At the bottom, there are 'Instructions' and a 'Print' button.

This view provides a data summary of all current/active Bank Guarantees of a Company including mock-up Bank Guarantees that were added in the Scenario Builder Section.

In the figure above, inside the Scenario Builder Section a mock-up Guarantee is highlighted in purple, while a current/active Bank Guarantee is highlighted in red to illustrate the difference.

All data in the Details View Tab Section is updated in real time.

## 4.2 Graph View Tab

Participant Credit Support Status  
Company Name: **Company A**

Current Active Credit Support

+ Add new record Refresh

Guarantee ID	Commencement Date	Expire Date	Amount	Demand Type	Bank	Return Date	
Grt-D	05/08/2008	12/09/2009	\$47,000,000	2 days	Bank D	12/09/2009	
Grt-E	08/09/2008	17/09/2009	\$50,000,000	1 hour	Bank E	17/09/2009	
ScenarioBuilder_4:02:41 PM	20/04/2009	10/10/2009	\$60,000,000	1 hour	Bank of Nemmco	10/10/2009	
Grt-F	01/09/2008	02/05/2009	\$50,000,000	1 hour	Bank F	2/05/2009	

Change page: < > Displaying page 2 of 2, items 5 to 8 of 8.

Details **Graph**

Today's Date: 20/04/2009  
Credit Support Status: **Compliant**

**Participant Guarantee Totals vs Participant MCL**

Graph view

Print

**Guarantee Lifespan**

**Instructions**

1. Scenario Builder allows 'mock' credit support information to be updated for a nominated participant ID.
2. No credit support information is saved during the session – actual updates to a participant's credit support should be done as per the usual process, see link to credit support procedure.
3. Mock credit support can be added by specifying the credit support information and clicking the Add button. This adds the credit support information in the Current Credit Support table.
4. Alternatively, selected credit support can be returned by clicking the Edit button and specifying the return date.
5. A participant's credit support status is updated after clicking either the Return Selected Guarantee or Add button. This updates: (i) participant credit support status; (ii) credit support totals; and (iii) participant credit support graph.

This view provides a graphical summary of all current/active Bank Guarantees of a Company including mock-up Bank Guarantees that were added in the Scenario Builder Section.

In the figure above, inside the Scenario Builder Section a mock-up Guarantee is highlighted in purple, while a current/active Bank Guarantee is highlighted in red to illustrate the difference.

Graphs in the Graph View Tab Section are updated in real time.

## 5. How to Use the Scenario Builder Page

### 5.1 Scenario 1 – Adding a Bank Guarantee

**Company A** is currently showing with a Credit Support Status of Expiring.

A status of 'Expiring' means that **Company A** currently has a Bank Guarantee that is expiring within 10 business days and the expiry of that Bank Guarantee will result in the Total Bank Guarantee of **Company A** becoming less than their MCL.

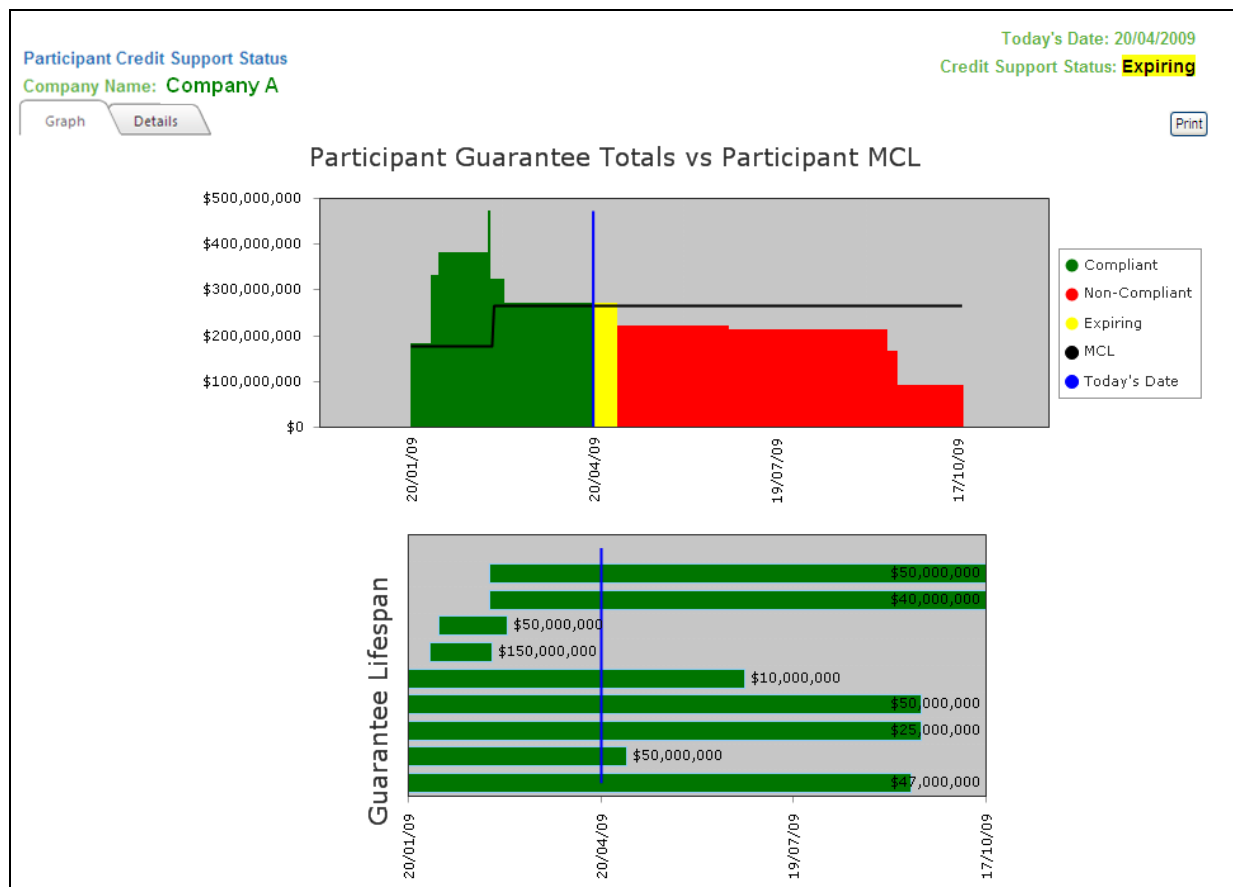


FIGURE A. ILLUSTRATES THE CURRENT STATUS PAGE OF **COMPANY A**

**Start adding a new mock-up Bank Guarantee by following the instructions below:**

1. In the Scenario Builder Section, click the Add new record button to add a new Bank Guarantee.
2. The Graph and the Details Tab View Section will be updated accordingly.

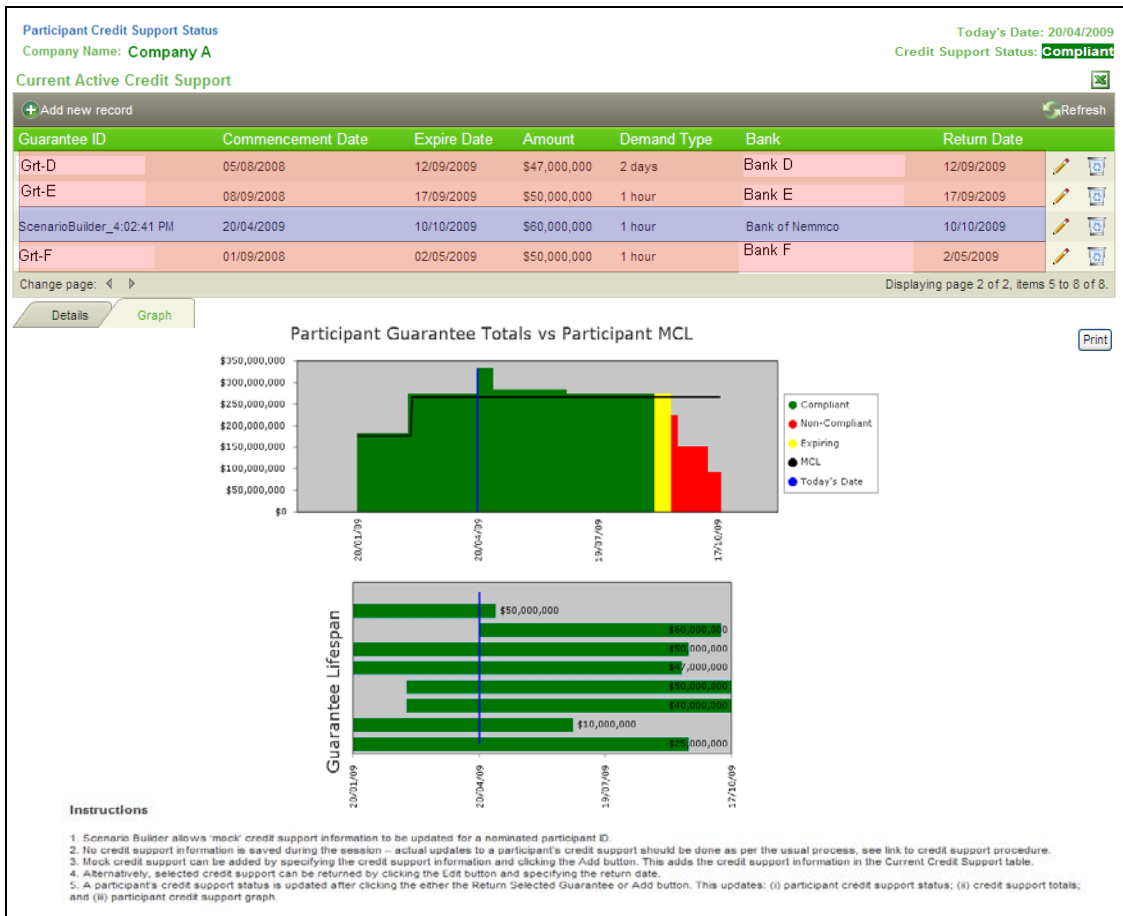


FIGURE B. ILLUSTRATES THE SCENARIO BUILDER PAGE, AFTER ADDITION OF A MOCK-UP BANK GUARANTEE, WITH UPDATED GRAPHS FOR **COMPANY A**.

## 5.2 Scenario 2 – Returning an existing Bank Guarantee before its expiry date

**Company B's** Credit Support Status is currently showing as 'Compliant'. They want to see the results/effect in their Credit Support Status if some of their Bank guarantees are returned before their expiry.

The Scenario Builder Page provides a facility to return an existing Bank Guarantee before its expiry. The page will show the resultant graphs and Credit Support Status after a Bank Guarantee has been returned.

Please note that returning a Bank Guarantee in the Scenario Builder page will not be saved into the Market Management System. This page is only for experimental purposes which will allow users to plan ahead and analyse their Credit Support instruments.

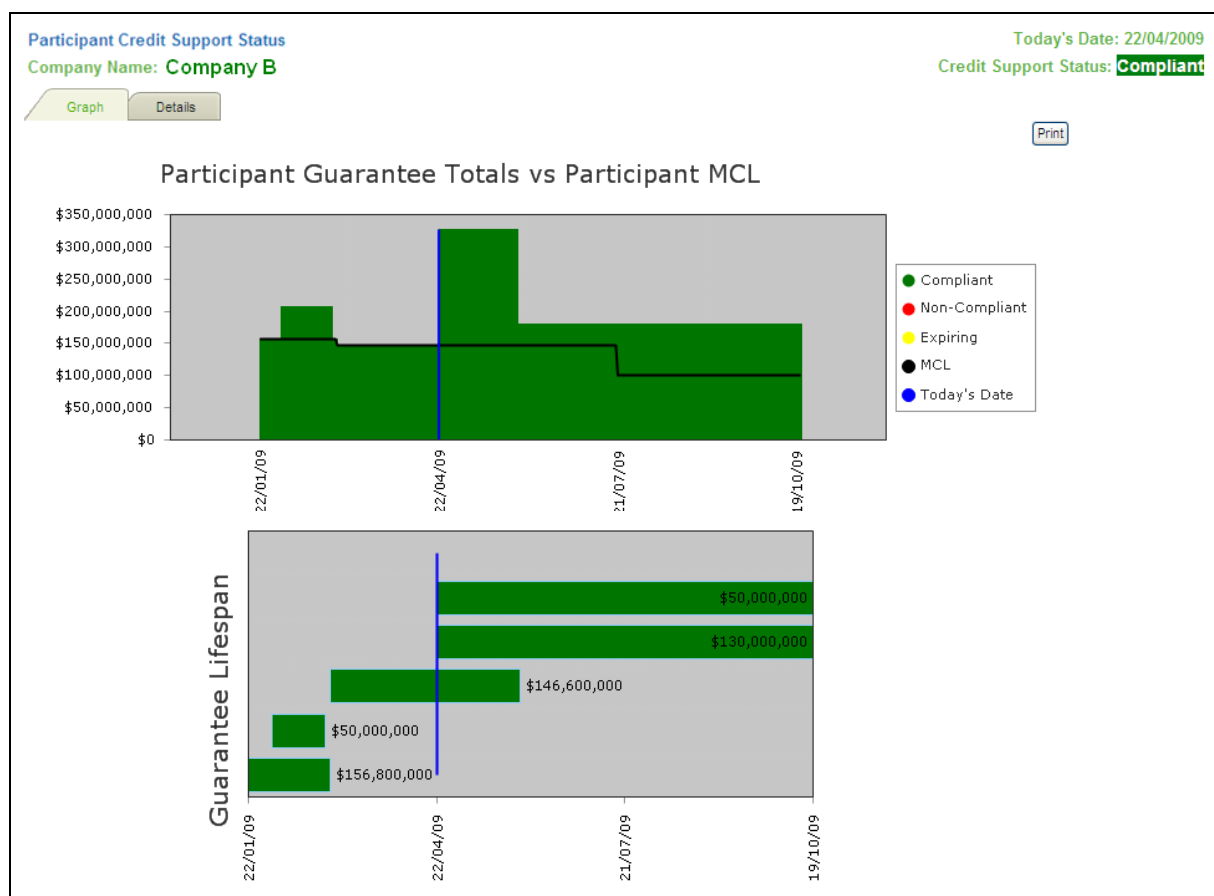


FIGURE C. ILLUSTRATES THE CURRENT STATUS PAGE OF **COMPANY B**

**Start returning a Bank Guarantee by following the instructions below:**

1. Select a Bank Guarantee from the Scenario Builder table.
2. Click the Edit button (pencil icon) in the table to start editing.
3. Edit the return date.
4. Click the 'tick' icon to commit the changes in the screen.

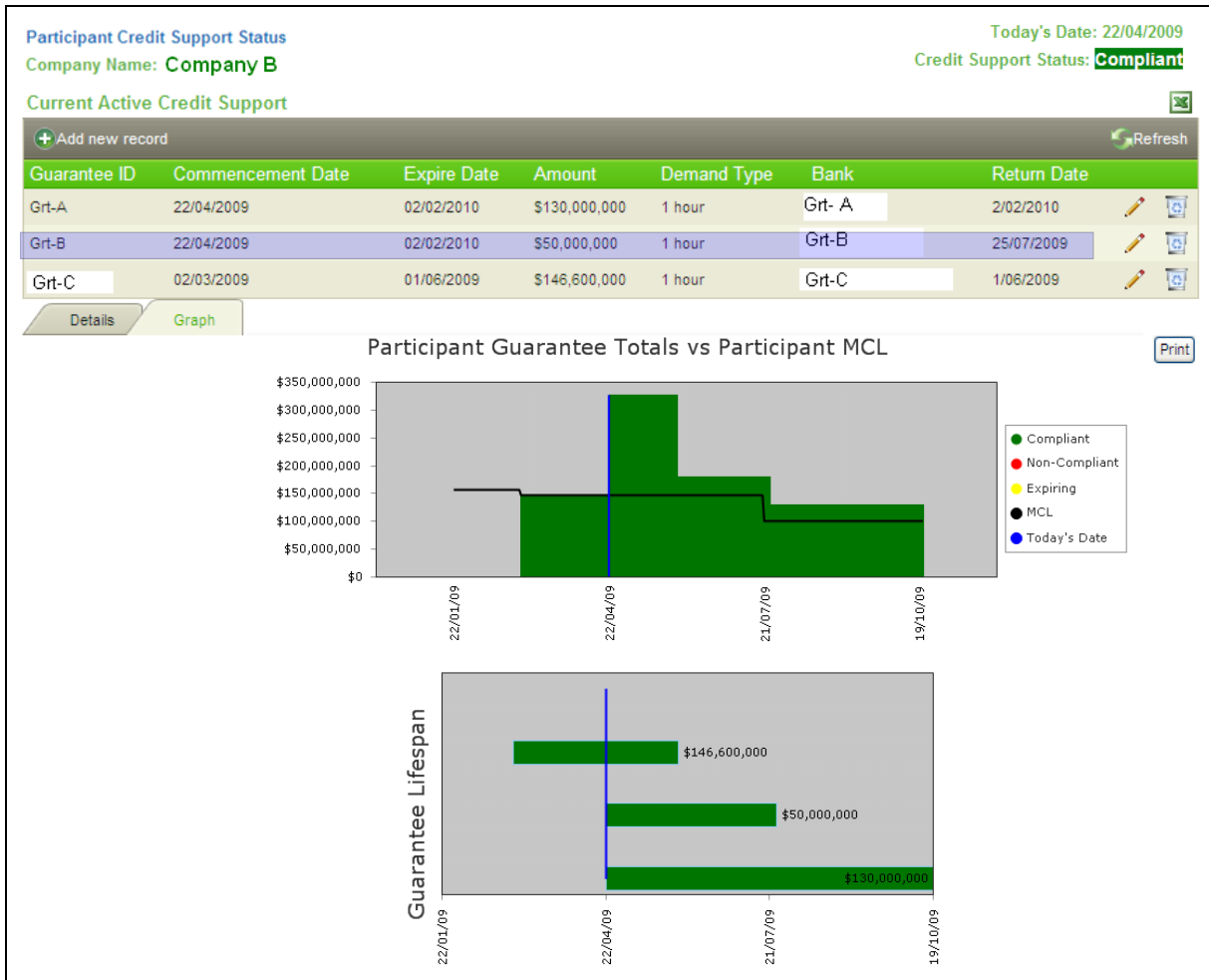


FIGURE D. ILLUSTRATES THE SCENARIO BUILDER PAGE WITH BANK GUARANTEE GRT-B RETURNED EARLY

The figure above shows the result of Bank Guarantee Grt-B being returned on the 25/07/2009, prior to its expiry date of 02/02/2010.