

**Total Plant Solutions**  
***R500—R530***  
***US Implementation***

***Lab Exercise and***  
***Evaluation***

***Configure Easy***  
***Reload File***

**L53430L**  
**LCN**

# Copyright, Notices, and Trademarks

---

© Copyright 1995, 1997 by Honeywell Inc.

Revision 08 – December 31, 1998

Honeywell IAC courseware is subject to change without notice.

*FLEXTRAINING*™ courseware is copyrighted and all rights are reserved by Honeywell Inc. These materials are intended for use solely in conjunction with Honeywell products. The materials comprising the courseware may not, in whole or in part, be copied, photocopied, reproduced, translated or reduced to any electronic medium or machine readable form without the prior, express written consent of Honeywell Inc.

This module supports **TotalPlant** Solution (TPS) system network.

*FLEXTRAINING* and **TotalPlant** are US registered trademarks of Honeywell Inc.

TPS is the evolution of TDC 3000<sup>X</sup>.

Other brand and product names are trademarks of their respective owners.

Honeywell  
Industrial Automation and Control  
Automation College  
2820 West Kelton Lane  
Phoenix, AZ 85023  
1-800-852-3211

# Lab Exercise

## Overview

### Objective

---

Use the Text Editor to build and test a Load Configuration file that includes the following:

- loading order from higher node number to lower
- a Universal Station loaded with Operator or Universal personality
- several selected nodes only

In this lab exercise your objective is to create a load configuration file, shut down and reload the US in order to load the file into memory, and demonstrate your new loading configuration.

---

# Editing the Load Configuration File

---

## Introduction

At the Universal Station do the following:

- use the Text Editor to create a Load Configuration file
  - exit the Text Editor, saving your changes
  - shut down and reload the US in order to store the Load Configuration file into memory
  - shut down nodes represented in your Load Configuration file
  - reload those nodes using your Load Configuration file
- 

## Edit file

From the Engineering Main Menu, select the Command Processor and enter the following:

ED	NET>S###>LOAD_Cnn.LD	
Edit Command	Console Number	Loading File Extension

33507-A

The Text Editor will appear.

---

## Determine nodes

See your course manager for a list of nodes and personalities (if applicable) you can safely shut down and reload:

1. \_\_\_\_\_
2. \_\_\_\_\_
3. \_\_\_\_\_

You will use these LCN nodes to meet the lab requirements.

---

*Continued on next page*

## Editing the Load Configuration File, Continued

### Modify loading

Type in the node numbers and personalities recorded on the previous page, using the following abbreviations:

UP = Universal Personality  
OP = Operator Personality

For example:

OP	01	20	19	24
Operator personality		Nodes loading in order from higher to lower node number		

Notes: If personality is not specified for a US in the Load Configuration file, the NCF-defined default personality for that US will load.

The Engineer Personality does not exist in R500.

### Exit and save file

When you are finished editing, select F1 (CTRL-1) to exit. You are given three options; choose F2 (CTRL-2). This exits the Text Editor and saves the Load Configuration file.

### ATTENTION

ATTENTION—STOP! Do not complete the next step before consulting with your course manager.

### Copy the file to &ASY

*After you have course manager approval, copy your Load Configuration file to the &ASY directory. The file must be in the &ASY directory so the US can bring it into memory at load time.*

```
CP NET>S###>LOAD_Cnn.LD NET>&ASY>=
```

### Shutdown and reload US

Shut down your US from the System Status or Console Status display, then reload it with the Universal Personality from the network. This step brings the new load file into the US memory.

### Test LOAD CONFIG

When the System Status display appears at your US, shut down the course manager-approved nodes represented in your Load Configuration file.

After shutting down the nodes, select the **LOAD CONFIG** target. Selecting the target displays the nodes listed in the load file in US memory.

Confirm your node loading order displayed in the Load Order/Status window.

*Continued on next page*

## Editing the Load Configuration File, Continued

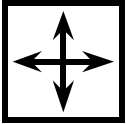
### Delete file

---

After you have demonstrated your load Configuration file for your instructor, delete from the &ASY directory.

```
DL NET>&ASY>LOAD_Cnn.LD
```

---



This is the end of the lab exercise. Discuss questions concerning the study material or the lab activities with a colleague or your course manager.

If you are satisfied that you have achieved the objective of the course module, continue with the Student Proficiency Evaluation.

---

# Student Proficiency Evaluation

## Criterion Test

---

**Part 1—completion of lab exercise**

Completion of the lab exercise satisfies part of the test requirements for this course module.

Be prepared to demonstrate your Load Configuration file to your course manager or colleague.

---

**Part 2—test questions**

Be prepared to answer the following questions and discuss them with your course manager or a colleague.

1. List the three loading functions that can be controlled by a Load Configuration file.

---

---

---

2. What file name does the Load Configuration file require?

---

3. In which directory does it reside?

---

4. Which personalities can be configured and how are they represented in the text editor?

---

---

5. In the event of a system shutdown, which node needs to load first? Why?

---

---

---





# Self-Evaluation

---

**Part 1—completion of lab exercise**

Completion of the lab exercise satisfies part of the test requirements for this course module.

Be prepared to demonstrate your Load Configuration file to your course manager.

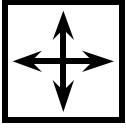
---

**Part 2—test questions**

Be prepared to answer the following questions and discuss them with your course manager.

1. List the three loading functions that can be controlled by a Load Configuration file.  
*which nodes are to be loaded*  
*node loading order*  
*operating personality*
  2. What file name does the Load Configuration file require?  
*LOAD\_Cnn.LD*
  3. In which directory does it reside?  
*&ASY*
  4. Which personalities can be configured and how are they represented in the text editor?  
*Universal Personality = UP*  
*Operator Personality = OP*
  5. In the event of a system shutdown, which node needs to load first? Why?  
*HM – The other nodes load from the HM database.*
-

## Directions



---

DIRECTIONS—This is the end of this course module.

Use your course map to

- Get your course manager to sign off this course module.
- Choose your next eligible course module.

If you have a question

- Ask your course manager.
- 

LAST PAGE