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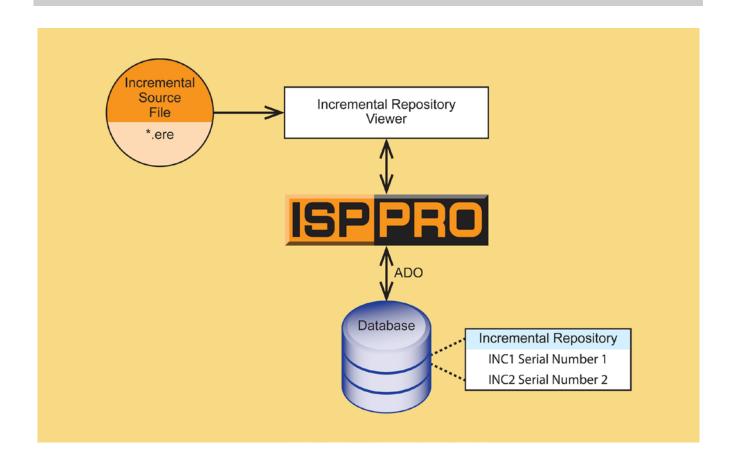
#### **AN163**

Title:

## Production users guide to setting up of 'Incremental sources' in the Equinox ISP-PRO application

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### Contents

1.0 Introduction	
1.1 Overview	
1.2 Explanation of Incremental Repository import	
1.3 Terminology definitions	
1.4 Further information - related manuals and application notes	
2.0 Incremental Repository	
2.1 Viewing the Incremental Repository in ISP-PRO	
2.2 Importing an Incremental Source into the Incremental Repository	
2.3 Importing multiple Incremental Sources	
2.4 Setting the 'Current value' of an Incremental Source	
2.5 Deleting an 'Incremental Source'	



### 1.0 Introduction

#### 1.1 Overview

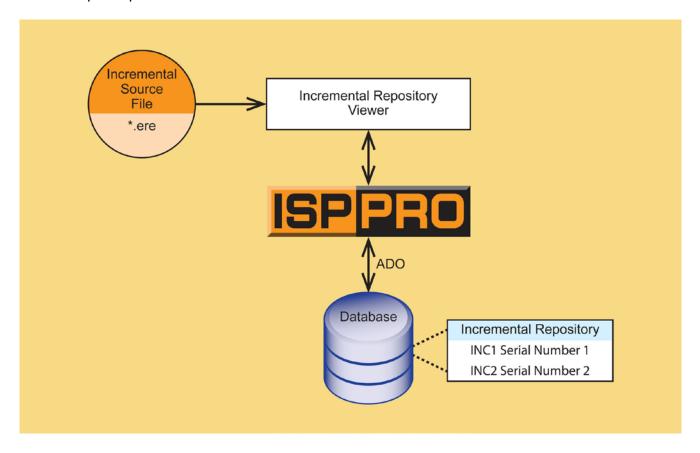
This application note is a production engineers guide to importing pre-defined 'Incremental Sources' into the Equinox ISP-PRO 'Incremental Repository'. This functionality allows pre-defined serial numbers, MAC address formats, date / time stamps etc to imported into an installation of ISP-PRO on a production PC by using an 'Incremental Source File'.

#### Important note:

This application note only covers the importing of pre-defined *'Incremental Sources'* into the ISP-PRO *'Incremental Repository'*. If you need instructions on how to define / create the *'Incremental Sources'* in the first place, please refer to application note AN???.

### 1.2 Explanation of Incremental Repository import

The illustration below shows how the utility within the Equinox ISP-PRO software application can be used to import a pre-defined 'Incremental source' from an 'Incremental Source File'.....



The different components shown in the above illustration are detailed in the table below...

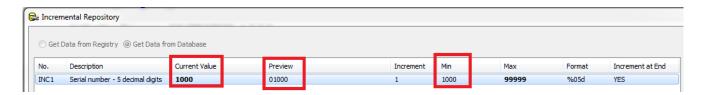
Component	Explanation
<b>SPPRO</b>	Equinox 'ISP-PRO' software application
Incremental Repository Viewer	The 'Incremental Repository Viewer' is a utility within ISP-PRO which allows the 'Incremental Repository' to be viewed.
Database	<ul> <li>The 'database' is the 'Interface database' which is linked to the ISP-PRO application.</li> <li>The 'Incremental Repository' is stored in a dedicated table in this database.</li> </ul>
Incremental Repository INC1 Serial Number 1 INC2 Serial Number 2	The 'Incremental Repository' is a dedicated table within the 'Interface database' which contains a list of all the 'Incremental sources' which are set up on this PC.

### 1.3 Terminology definitions

This section describes the terminology used throughout this document....

#### **Incremental Repository**

The 'Incremental Repository' is simply a dedicated 'database table' in the ISP-PRO 'Interface database' which is used to store one or more 'Incremental Sources'.



The repository can hold any number of 'Incremental Sources' which can be used to generate serial numbers etc which are then programmed into target devices via a 'programming script' running in ISP-PRO.

#### **Incremental Source**

An 'Incremental Source' is defined as 'macro' stored in the 'Incremental Repository' which is capable of generating incremental serial numbers, textual label text + serial numbers (combination), MAC addresses, random numbers, date / time stamps etc.





### 1.4 Further information - related manuals and application notes

This application note focuses specifically on how to import pre-defined *'Incremental Sources'* into the Equinox ISP-PRO software application.

Please refer to further sources of documentation listed below for more detailed information about how to set up ISP-PRO and also how to create the *'Incremental Sources'* in the first place.

#### **User manuals / Programming Guides:**

Manual Ref	Title
ISP-PRO	ISP-PRO - User Manual - This manual explains how to install and configure the Equinox ISP-PRO software application.

### 2.0 Incremental Repository

### 2.1 Viewing the Incremental Repository in ISP-PRO

The 'Incremental Repository' is simply a list of 'Incremental sources' (serial numbers etc) which are stored in a special table in the ISP-PRO database.

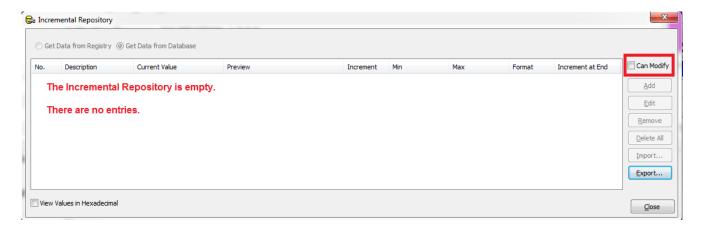
To view the ISP-PRO 'Incremental Repository', please follow the instructions below...

#### Instructions

- Start the ISP-PRO application
- Log in to ISP-PRO (password: equinox)
- Click the 'Repository' button on the ISP-PRO top icon bar...



If this is a virgin installation of ISP-PRO, then the 'Incremental Repository' will be empty as shown in the screenshot below...



It is possible to either add an 'Incremental source' manually or to import one from a pre-specified 'Incremental source' file.

#### Important note:

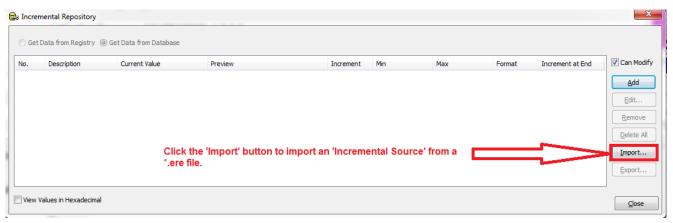
This application note only covers the importing of pre-defined *'Incremental Sources'* into the ISP-PRO *'Incremental Repository'*. If you need instructions on how to define / create the *'Incremental Sources'* in the first place, please refer to application note AN???.

# 2.2 Importing an Incremental Source into the Incremental Repository

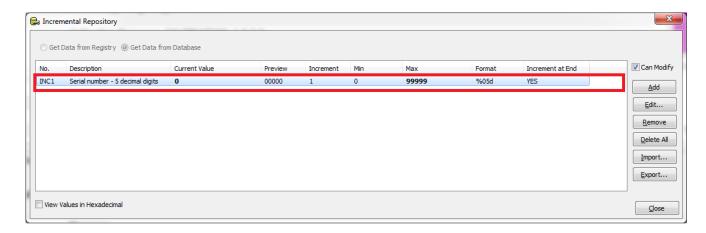
It is possible to import all the settings to set up an 'Incremental source' from a pre-specified 'Incremental source' file. This file must have the extension .ere.

#### **Instructions**

- From the 'Incremental Source' window, tick the 'Can Modify' check box see screenshot above
- The 'Import' button on the right-hand side of the window should now be selectable.



- A File Browser window will now appear.
- Browse to and select the required 'Incremental source' file. This file will have a file extension
  of .ere. Example: IncrementalSerialNumber-5digitdec.ere
- The settings will then be imported from the 'Incremental source' file into the 'Incremental Repository' window as shown in the screenshot below...



In the above example, an 'Incremental source' file has been imported and assigned to 'INC1'. The 'INC1' incremental source will generate a '5-digit decimal Serial Number' which increments by +1 every time the script runs and has a 'PASS' result at the end.

#### Please note:

ISP-PRO will automatically number the imported 'Incremental source' starting from 'INC1'
The label 'INCx' is used by the script being executed to define which 'Incremental source' to use.



### 2.3 Importing multiple Incremental Sources

It is possible to define multiple 'Incremental sources' at the same time which can be used by the same script or different scripts running in ISP-PRO depending on the customer application.

A typical example showing multiple can be seen in the screenshot below...

#### Please note:

The 'Incremental sources' will be displayed in the same order (INC1....INCx) that they were originally imported into the 'Incremental Repository'.

### 2.4 Setting the 'Current value' of an Incremental Source

The 'Current value' of an 'Incremental Source' is the value which will be generated and used when the 'INCx' is called next time by the programming script.

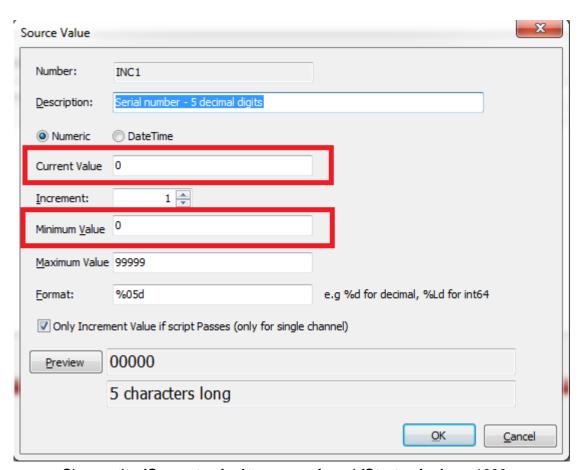
When an 'Incremental Source' is initially imported into ISP-PRO from a \*.ere file, the 'Current value' is often set to zero as shown in the example below.....



This is not always the case, but most developers usually do not set the start value above zero.

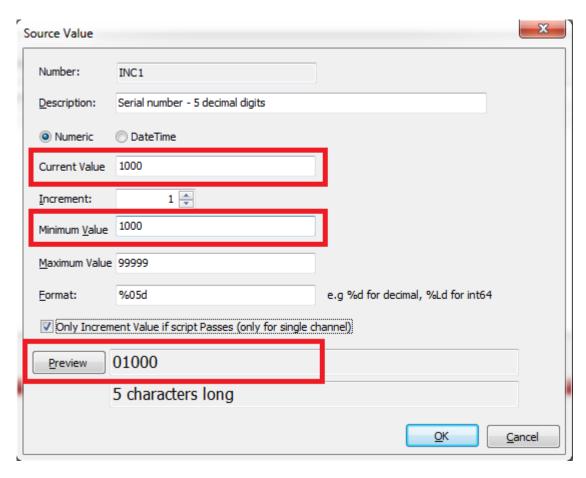
If you want to change the 'Current value' to a different start value, this can be achieved as follows...

- Launch the 'Incremental Repository' window
- Click the 'Can modify' tick box on the right-hand side of this window
- Now double-click the 'Incremental Source' entry which you want to edit / change.

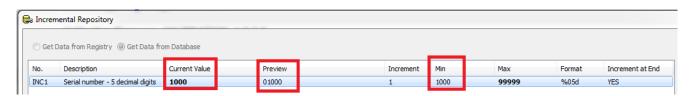


- Change the 'Current value' to your preferred 'Start value' e.g. 1000
- Consider also changing the 'Minimum value' to the same value.

• The 'Source value' window will now look like this....



- The 'Preview' should now show the new 'Start value' e.g. 1000 in the specified format which in this case is '5-digit decimal' so it displays as '01000'.
- Click the 'OK' button to save your changes.
- The 'Incremental Repository' window should now display your changes as follows....



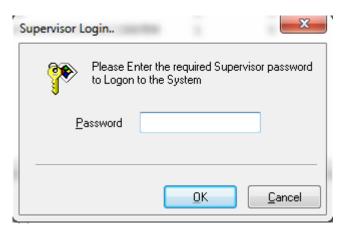
- So the next time a programming script is executed which uses the 'Incremental Source'
  defined as 'INC1', the repository will generate a value of '1000' but will pass this in a 5-digit
  decimal format as '01000'.
- Click the 'Close' button to close the 'Incremental Repository' window.

### 2.5 Deleting an 'Incremental Source'

If you need to remove / delete an existing 'Incremental Source' from the 'Incremental Repository' for any reason, then this is possible but the function is protected by an 'admin password' to protect against accidental deletion.

#### Instructions....

- 1. Open the 'Incremental Repository' window
- 2. Tick the 'Can modify' check box
- 3. Click the relevant 'Incremental Source' which you want to remove.
- 4. Click the 'Remove' button
- 5. You will then be asked to log in using the 'Supervisor password' (default password: equinox)



6. The selected 'Incremental Source' will then be removed from the list.