



# **Alarm System Configuration File Description BNCS output Module**

al\_out\_nnn.cfg

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# 1 Introduction

This document describes the BNCS alarm output configuration files.

The intended audience for the document is system developers and system maintainers.

These files store the configuration settings for the alarm system's modules for output onto the BNCS network.

Note that the files should only be edited using the configuration tools.

## 2 Location

The output configuration files are located at:

`%CC_ROOT%\%CC_SYSTEM%\config\alarms\x\outputs\al_out_nnnn.cfg`

where "x" is the alarm system name and "nnnn" is the unique output module number.

## 3 File Contents

The file is in the standard Windows ini file format, with a ".cfg" extension.

### 3.1 [System] Section

For details of the "System" section see the generic IO file documentation and the example.

### 3.2 [BNCS\_CONFIG] Section

There is one BNCS\_CONFIG section.

Name	Required	Details
Driver	Yes	the BNCS info-driver number that this output will attach to as an external.

### 3.3 [Process] Section

There is one "Process" section.

The Process section has an entry named for each process that is to be output on to the BNCS network.

The value is the infodriver slot number that will be used for that process.

Name	Required	Details
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Name	Required	Details
"Process name"	All processes that require BNCS output should be present.	The info-driver slot number to be used for outputting the named process's value.

### 3.4 [Templates] Section

The "Templates" section will be present if any templates have been used in the module's configuration.

Name	Required	Details
"Template name"	An entry is needed for each named template.	Two numbers and one string, comma-separated. The first number is the base slot. The second number is the offset. The string is the template's prefix.

### 3.5 [Instances] Section

The "Instances" section will be present if any templates have been used in the module's configuration.

Name	Required	Details
Template name	An entry is needed for each template used.	Comma-separated list of strings. Each string will be substituted into the named template.

### 3.6 Example of File Contents

Sample contents for alarm system BNCS output configuration file

```
[System]
Name=Alarm_Output
ConfigTool=Home/Alarms/Outputs/Bncs Output
Module=alm_bncs_op
AlmSystem=MCR
[BNCS_CONFIG]
Driver=90
[Process]
AXON_1_comms=201
AXON_1_PSU_Bottom=101
AXON_1_PSU_Top=1
Axon_PSU_Overall=4000
```

## 4 Version History

Version numbers shown here may not be seen within the software itself. The implementation date is a more reliable way of determining whether a particular issue is present in any particular instance of the software.

Version	Date	State / Changes	Author
Version	Date	Author	Comments
0.1	16/11/2006	Initial document	Mark Baldry
	29/01/2015	Document revised to current conventions and template.	Richard Kerry

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