

MOVA 7 Alerts on UTM/ MOVA OTU **and Stratos Outstation**

This guide is designed to give an overview of setting up MOVA Alerts on a UTM/ MOVA OTU. This is in addition to the "MOVA Quickstart Guide for UTM/ MOVA OTU" which it's advised to complete before adding these alerts.

Pre-requisites

- Users should have a working knowledge of the UTM/ MOVA OTU's basic functions.
- The site specific CSV file has been downloaded from the Instation Database
- The controller interface has been installed and tested previously.
- Users have a working knowledge of MOVAComm, IC4 controller Specifications, Connecting to equipment using IP Comms and use of Gemini Connect tool.

Associated Documents

667/HQ/31601/001	MOVA Quickstart Guide for UTM/ MOVA OTU
667/HB/31601/000	UTM OTU/MOVA Handbook (REF: All references refer to this document)
667/HB/31760/000	GVP Reference Manual
667/CI/31601/000	UTM/MOVA Type2 OTU Setup Form

All product specific Siemens Software is available from: <http://www.siemens.co.uk/traffic/en/index/downloads.htm>

Setting up Alerts on the UTM OTU

MOVA7 also introduces 'alerts'. The intention of alerts is to bring exceptional or unusual conditions at a junction to the attention of the traffic manager. The MOVA kernel comes with the alert functionality embedded and an API to allow MOVA resellers to interface it to their equipment.

The alerts implemented in MOVA 7 are:-

- Oversaturation alert
- Exit blocking alert
- Occupancy Alert

In order to bring the alerts to the attention of the traffic manager they will be transmitted back to a connected UTC Instation when they occur. It is a prerequisite that the MOVA outstation be connected to a UTC Instation for the alert functionality to work.

The alert API within the MOVA kernel has been used to map them to general purpose bits in the OTU. These in turn need to be mapped back to the UTC Instation where the operator can define an action to execute on their occurrence.

The Alerts will be returned to the UTC Instation as General Purpose bits (GPn), so these need to be mapped to the MOVA Alert on the OSE Config Screen

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The Alerts will be returned to the UTC Instation as General Purpose bits (GPn), so these need to be mapped to the MOVA Alert on the OSE Config Screen

Choose the GP bits Instance number to match where it's expected at the Instation.

Choose the Card/ Port to select the MOVA Stream (See Table 2)

Choose the Bit number for the Alert you require (See Table 1)

Table 1 Bit Allocation and Alert Type

Alert type	Bit
Any	1
Oversaturation	2
Exit blocking	3
Occupancy	4

Table 2 Card/ Port allocation for MOVA Streams

MOVA Stream	Card/ Port
1	mova1.alerts.in.1
2	mova2.alerts.in.1
3	mova3.alerts.in.1
4	mova4.alerts.in.1

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