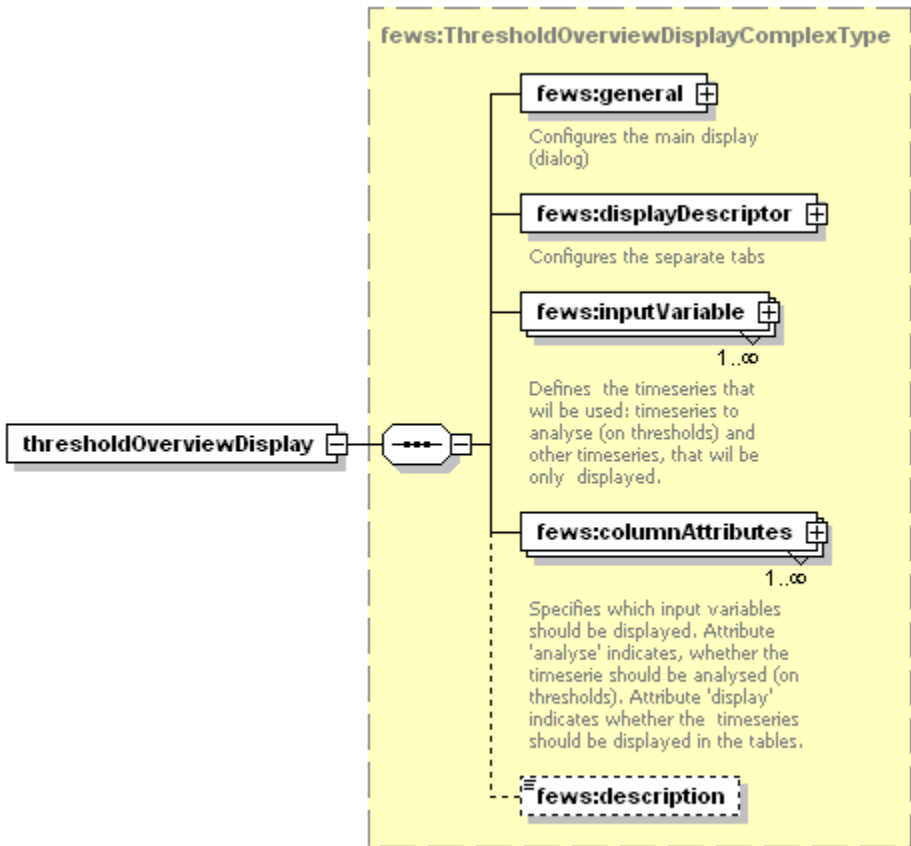# 11 Threshold Display

Threshold Overview display

The threshold display is a display plug-in that allows the user to see at a glance which locations have forecasted threshold crossings, a summary of alarms and more detailed information about specific site forecasts. For a description of the functionality available - please see the user guide.

The Id of the threshold display is identified in the DisplayInstanceDescriptors. When available on the file system, the name of the XML file for configuring the display with an Id of e.g. Threshold overview display is for example:

Thresholds_overview_display 1.00 default.xml

Thresholds_overview_display	File name as specified in the display instance descriptors
1.00	Version number
default	Flag to indicate the version is the default configuration (otherwise omitted).

Figure 1: Root elements of the threshold overview display configuration.

general

ThresholdOverviewDisplayGene...

Configures the main display (dialog)

fews:description

fews:displayName

Title of the dialog

fews:forecastFilter

Filter to specify which forecast should be displayed in the dialog-combobox

fews:ForecastFilterComplexType

fews:workflowId

1..∞

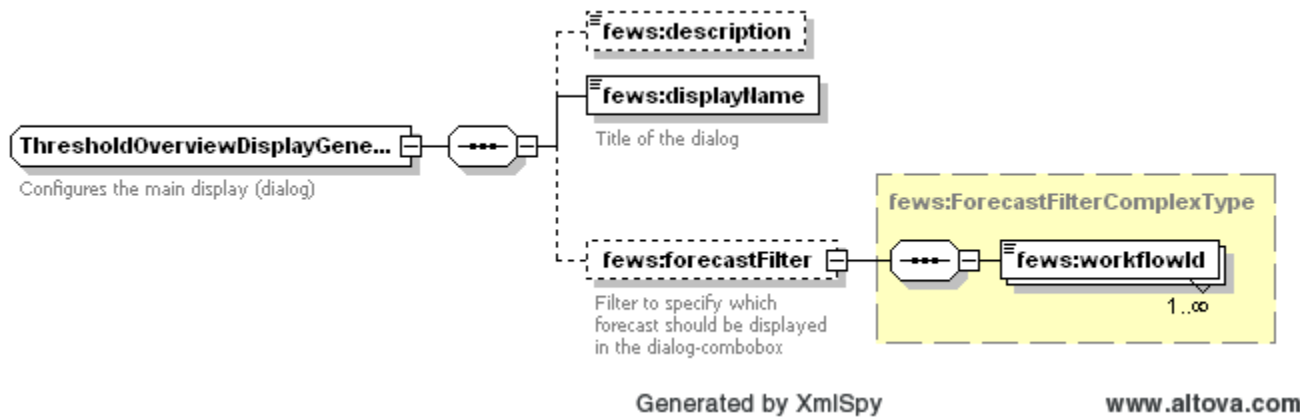Generated by XmlSpy   www.altova.com

Figure 2: General elements

This section gives the title of the dialog and allows the user to filter for workflows which are to be displayed e.g. Coastal_Forecast

displayDescriptor

ThresholdOverviewDisplayDescr...

Configures the separate tabs

fews:description

fews:forecastTime

Info to determine and display forecastTime

fews:attributeNoCrossing

configures how to display no crossings

fews:attributeMissingValues

configures how to display missing values

fews:tab1

Display of highest alarms

fews:tab2

Display of alarms per aggregation timestep

fews:tab3

Alarm Summary

fews:Tab4ComplexType

fews:tabName

fews:description

fews:tab4

Details per location. If this element is not specified, no Tab4 wil be created.

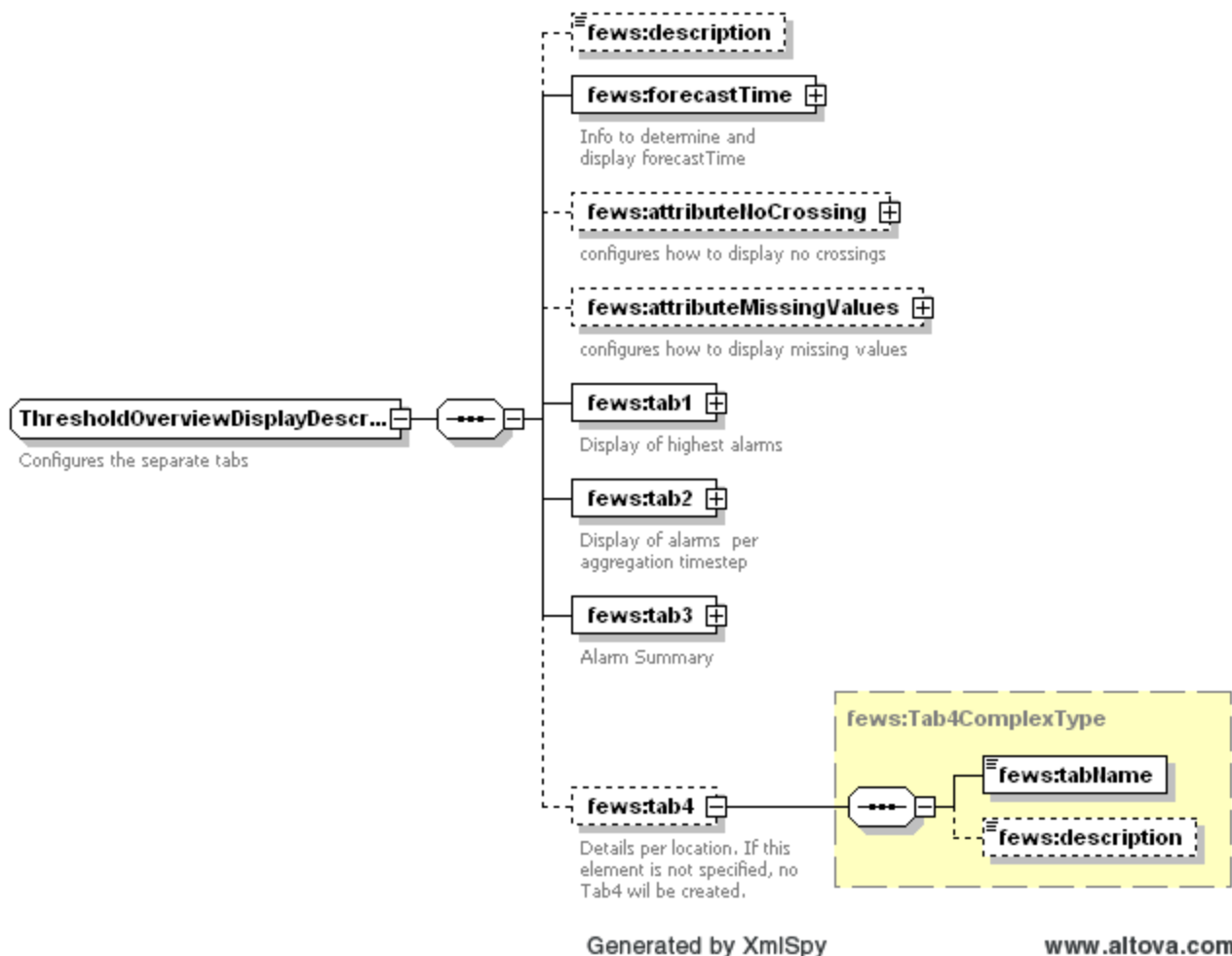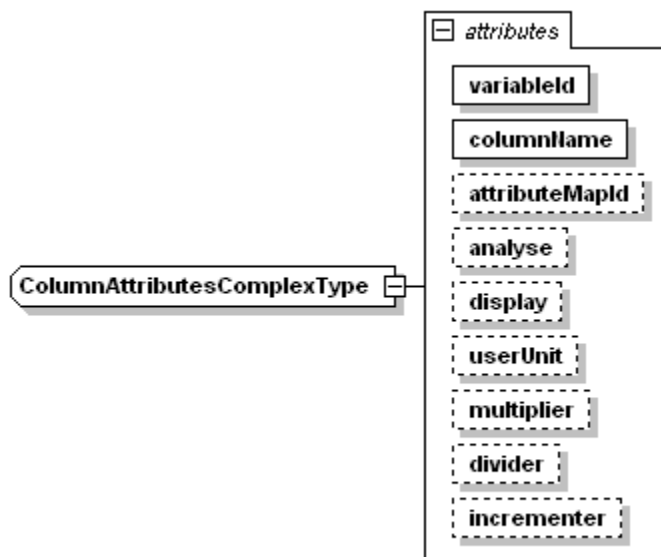Generated by XmlSpy   www.altova.com

Figure 3: Display descriptor elements

The section of the configuration forms the main part of the configuration. Each "tab" has different functionality and shows a different aspect of the data. Tab 1 shows multiple hour threshold crossing aggregates (i.e. highest crossing over 4 hours). Tab 2 shows highest alarms on an hourly basis. Tab3 gives a text summary of alarms and the optional tab 4 can be used to show additonal site data.

inputVariable

Standard timeseries set with variable ID required

columnAttributes

This section of the configuration relates specifically to the configuration of the site data in tab4.