

## Notes on the New Version of XML Current Weather Report

In the old version of XML current weather report, the additional information (listed in Table 1) is placed in the <Remarks> tags of the XML.

Old version of XML current weather report:

English [http://xml2.weather.gov.hk/V2/bulletins/CurrentWeather\\_iso-8859-1.xml](http://xml2.weather.gov.hk/V2/bulletins/CurrentWeather_iso-8859-1.xml)

Chinese [http://xml2.weather.gov.hk/V2/bulletins/CurrentWeather\\_iso-8859-1\\_big5.xml](http://xml2.weather.gov.hk/V2/bulletins/CurrentWeather_iso-8859-1_big5.xml)

For the clarity of presentation of the above miscellaneous information, the new version of current weather report is implemented to adopt a more clear design. Different types of additional information will be grouped under new XML tags in the new version of XML current weather report. The details of the new XML tags and their samples could be found in Table 2. The new version is available for downloading at

English [http://xml2.weather.gov.hk/V2/bulletins/CurrentWeather2\\_iso-8859-1.xml](http://xml2.weather.gov.hk/V2/bulletins/CurrentWeather2_iso-8859-1.xml)

Chinese [http://xml2.weather.gov.hk/V2/bulletins/CurrentWeather2\\_utf8.xml](http://xml2.weather.gov.hk/V2/bulletins/CurrentWeather2_utf8.xml)

The old version of the XML current weather report will still be available for backward compatibility.

The samples of the XML of the new version of current weather report can be accessed from the link below:

[http://demo.xml.weather.gov.hk/V2/bulletins/CurrentWeather2\\_iso-8859-1.xml](http://demo.xml.weather.gov.hk/V2/bulletins/CurrentWeather2_iso-8859-1.xml) (English Version)

[http://demo.xml.weather.gov.hk/V2/bulletins/CurrentWeather2\\_utf8.xml](http://demo.xml.weather.gov.hk/V2/bulletins/CurrentWeather2_utf8.xml) (Chinese Version)

**Table 1**

<b>No.</b>	<b>Types of information</b>
1	Warnings in force
2	Tropical Cyclone Information
3	Lightning Location Information
4	Special Weather Tip
5	Rainfall recorded at HKO between midnight last night and midday today
6	Monthly total rainfall recorded at HKO
7	Accumulated rainfall since 1 <sup>st</sup> January up to end of month
8	The minimum temperature recorded at HKO between midnight and 9 a.m.

**Table 2**

Types of information	Sample Fragments of the XML
Warnings in force	<pre> &lt;WarningInfo&gt;   &lt;Description&gt;THE VERY HOT WEATHER WARNING IS NOW IN FORCE. HOT WEATHER MIGHT CAUSE ADVERSE HEALTH EFFECTS. MEMBERS OF THE PUBLIC SHOULD TAKE CARE TO AVOID HEATSTROKE.&lt;/Description&gt; &lt;/WarningInfo&gt; &lt;WarningInfo&gt;   &lt;Description&gt;THE THUNDERSTORM WARNING HAS BEEN ISSUED. IT WILL REMAIN EFFECTIVE UNTIL NOON TODAY.&lt;/Description&gt; &lt;/WarningInfo&gt; </pre>
Tropical Cyclone Information	<pre> &lt;TropicalCycloneInfo&gt;   &lt;Description&gt;HERE IS THE INFORMATION ON TROPICAL DEPRESSION:LOCATION: 18.3 DEGREES NORTH, 115.9 DEGREES EAST; MAXIMUM SUSTAINED WIND NEAR ITS CENTRE: 55 KM/H.&lt;/Description&gt; &lt;/TropicalCycloneInfo&gt; </pre>
Lightning Location Information	<pre> &lt;LightningInfo&gt;   &lt;Description&gt;BETWEEN 0:45 AND 1:45 A.M., LIGHTNING WAS DETECTED WITHIN NEW TERRITORIES EAST.&lt;/Description&gt; &lt;/LightningInfo&gt; </pre>
Special Weather Tip	<pre> &lt;SpecialWeatherTip&gt;   &lt;Description&gt;Widespread heavy rain may affect Hong Kong shortly. Members of the public should be on the alert.&lt;/Description&gt; &lt;/SpecialWeatherTip&gt; &lt;SpecialWeatherTip&gt;   &lt;Description&gt;Gusts reaching 70 kilometres per hour or above may affect Hong Kong.&lt;/Description&gt; &lt;/SpecialWeatherTip&gt; </pre>
Rainfall recorded at HKO between midnight last night and midday today	<pre> &lt;WeatherReport&gt;   &lt;Location&gt;     &lt;Area&gt;Hong Kong Observatory&lt;/Area&gt;   &lt;/Location&gt;   &lt;RainfallInformation&gt;     &lt;Type&gt;T&lt;/Type&gt;     &lt;Description&gt;No rainfall was recorded at the Hong Kong Observatory between midnight last night and midday today.&lt;/Description&gt;   &lt;/RainfallInformation&gt; &lt;/WeatherReport&gt; </pre>
Monthly total rainfall recorded at HKO	<pre> &lt;WeatherReport&gt;   &lt;Location&gt;     &lt;Area&gt;Hong Kong Observatory&lt;/Area&gt;   &lt;/Location&gt;   &lt;RainfallInformation&gt;     &lt;Type&gt;T&lt;/Type&gt;     &lt;Description&gt;509.3 mm of rainfall have been recorded at the Hong Kong Observatory in May this year.&lt;/Description&gt;   &lt;/RainfallInformation&gt; &lt;/WeatherReport&gt; </pre>
Accumulated rainfall since 1 <sup>st</sup> January up to end of month	<pre> &lt;WeatherReport&gt;   &lt;Location&gt;     &lt;Area&gt;Hong Kong Observatory&lt;/Area&gt;   &lt;/Location&gt;   &lt;RainfallInformation&gt;     &lt;Type&gt;T&lt;/Type&gt;     &lt;Description&gt;The accumulated rainfall since 1st January up to the end of May this year was 898.5 mm compared with the normal of 640.8 mm for the same period.&lt;/Description&gt;   &lt;/RainfallInformation&gt; &lt;/WeatherReport&gt; </pre>
The minimum temperature recorded at HKO between midnight and 9 a.m.	<pre> &lt;WeatherReport&gt;   &lt;Location&gt;     &lt;Area&gt;Hong Kong Observatory&lt;/Area&gt;   &lt;/Location&gt;   &lt;TemperatureInformation&gt;     &lt;Medium&gt;A&lt;/Medium&gt;     &lt;Type&gt;N&lt;/Type&gt;     &lt;Description&gt;Between midnight and 9 a.m. the minimum temperature was 27.3 degrees Celsius at the Hong Kong Observatory.&lt;/Description&gt;   &lt;/TemperatureInformation&gt; &lt;/WeatherReport&gt; </pre>