

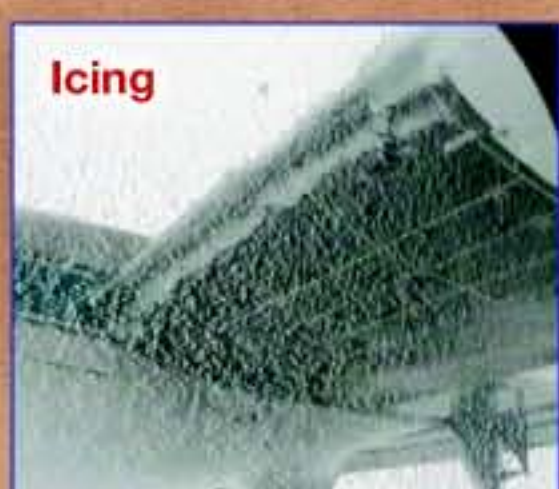
WS SIGMET

When any of the following phenomena are occurring or expected to occur in your FIR – issue WS SIGMET for each phenomenon **without delay**.

Phenomena: thunderstorms, heavy duststorms, heavy sandstorms, severe turbulence, severe mountain waves, severe icing, radioactive cloud.

STEP 1 Information Received

Source of Information	Phenomena
Special AIREP	Thunderstorms, dust/sandstorms, turbulence/mountain waves, icing
Satellite pictures	
NWP forecasts	
RADAR	Thunderstorms
Lightning information	
WMO RSMCs (Atmospheric transport modelling for environmental emergency)	Radioactive cloud



Key

WMO abbreviated heading, disseminating centre and transmission day/time

Name of issuing MWO

FIR

Sequence number and validity period day/time

Description of phenomenon

Phenomenon observed with time (optional) or forecast to occur, its location, level and movement or expected movement (direction – 8 points of compass)

Changes in intensity

- For an observed phenomenon, the start of validity should be the same as the issue time. For a forecast phenomenon, the start of validity should be the time the phenomenon is expected to commence in a MWO's FIR.

- The validity of a WS SIGMET shall not be more than 4 hours.

STEP 2 WS SIGMET Prepared

SIGMET FORMATS:

WS SIGMET format:

WSA,A,ii CCCC YYGGgg
CCCC SIGMET [nn]n VALID YYGGgg/YYGGgg cccc-
CCCC <FIR Name> FIR <Phenomenon> OBS [AT <GGggZ>]
or FCST <Location> <Level> <Movement or expected
movement> <Changes in intensity>

Cancellation format:

WSA,A,ii CCCC YYGGgg
CCCC SIGMET [nn]n VALID YYGGgg/YYGGgg cccc-
CCCC <FIR Name> FIR CNL SIGMET [nn]n YYGGgg/
YYGGgg

SIGMET EXAMPLES:

Thunderstorms:

VHHK SIGMET 1 VALID 180830/181230 VHHH-
VHHK HONG KONG FIR EMBD TS FCST N OF N2200
W OF E11430 TOP FL400 MOV E 20KT NC

Duststorms:

YMMM SIGMET D01 VALID 240330/240430 YPDM-
YMMM MELBOURNE FIR HVY DS OBS WI S2300 E13415 -
S2240 E13800 - S2520 E13800 - S2525 E13520 BLW FL070
MOV N 25 KT NC

Sandstorms:

ZBPE SIGMET 2 VALID 301110/301510 ZBAA-
ZBPE BEIJING FIR HVY SS OBS AT 1110Z NW OF ZBAA
MOV E 30KMH NC

Turbulence:

VHHK SIGMET 1 VALID 280250/280650 VHHH-
VHHK HONG KONG FIR SEV TURB OBS AT 0238Z S OF
N19 ABV FL350 STNR INTSF

Mountain waves:

YMMM SIGMET M07 VALID 061700/062100 YMRF-
YMMM MELBOURNE FIR SEV MTW OBS WI S3704 E14244 -
S3611 E14753 - S3736 E14943 - S4006 E14800 -
S3953 E14353 - S3704 E14244 FL080/140 WKN

Icing:

ZHWH SIGMET 3 VALID 021100/021500 ZHHH-
ZHWH WUHAN FIR SEV ICE FCST N OF N28 BLW FL200 NC

Radioactive cloud:

YUCC SIGMET 1 VALID 021100/021500 YUDO-
YUCC AMSWELL FIR RDOACT CLD FCST E OF E150
BLW FL100

Cancellation:

VHHK SIGMET 2 VALID 181100/181230 VHHH-
VHHK HONG KONG FIR CNL SIGMET 1 180830/181230

STEP 3 WS SIGMET Transmitted

WS phenomena are hazardous to aircraft operations, so the issue of WS SIGMET must be given high priority and issued without delay.

SEND TO:	Tel	Fax	AFTN	Email
ACC/FIC				
WAFCS				

Renew/Cancel

RENEW

- When the phenomenon has changed and necessitates an update
- When the validity period is due to expire but the phenomenon persists or is expected to persist

CANCEL

- When the phenomenon is no longer occurring or expected to occur