

From: [REDACTED]
To: [REDACTED]
Subject: Re: request for history AAWU icing category text info....
Date: Wednesday, February 19, 2025 4:15:01 PM

[CAUTION] This email originated from outside of the organization. Do not click any links or open attachments unless you recognize the sender and know the content is safe.

Hey!!

We may be at the end of our historical knowledge point. Below is what I got back. Let me know if it helps any.

The use of these criteria in the Area Forecast predates me (2011). I am not aware of any documentation in its establishment or evolution of use.

Our current directives [pd01008011curr.pdf](#) has an Area Forecast with isolated moderate icing being used.

Below is an Area Forecast issued on Dec 6, 2005 which also shows the use of moderate and isolated mod icing. I acquired this from the Iowa State website which didn't have Area Forecasts prior to Dec 2005. I would need to seek out another source to acquire Area Forecasts prior to this.

```
000
FAAK58 PAWU 062036
FA8W
ANCC FA 062045
AK SRN HLF EXCP SE AK...
.
AIRMETS VALID UNTIL 070300
TS IMPLY PSBL SEV OR GREATER TURB SEV ICE LLWS AND IFR CONDS.
NON MSL HEIGHTS NOTED BY AGL OR CIG.
.
KUSKOKWIM VLY AF...VALID UNTIL 070900
...CLOUDS/WX...
***AIRMET MT OBSC***MTS OCNL OBSC IN CLDS/PCPN. NC...
FEW025 SCT-BKN040 BKN070 TOP 100 LYRS ABV TO FL300.
    OCNL BKN025 VIS 3-5SM -RASN BR. ISOL -FZRA.
OTLK VALID 070900-080300...MVFR CIG RA/SN.
...TURB...
ISOL MOD TURB BLW 080.
...ICE AND FZLVL...
ISOL MOD RIME/MXD ICEICIP 040-140. FZLVL SFC NW SLPG TO 020 SE.
.
YKN-KUSKOKWIM DELTA AG...VALID UNTIL 070900
...CLOUDS/WX...
***AIRMET IFR***ALG CST..CIGS BLW 010/VIS BLW 3SM -SN BR. NC...
OTRW..
ALG CST..SCT001 BKN016 LYRS ABV TO TOPS FL300.
    VCY PAEH..SFC WINDS S 20KT G30.
```

ELSW..SCT025 BKN050 LYRS ABV TO TOPS FL300.
 OCNL BKN025 VIS 3-5SM -SN.
 ISOL CIGS BLW 010 VIS BLW 3SM -SN BR.
 OTLK VALID 070900-080300...MVFR CIG RA/SN.
 ...TURB...
 VCY RUF TRRN..ISOL MOD TURB BLW 040.
 ...ICE AND FZLVL...
 AIRMET ICEOCNL MOD RIME ICEICIP 040-140. NC... FZLVL NR SFC.
 .
 BRISTOL BAY AH...VALID UNTIL 070900
 ...CLOUDS/WX...
 AIRMET MTS OBSCMTS OCNL OBSC CLDS/PCPN. NC...
 AIRMET IFRALG CST..CIGS BLW 010/VIS BLW 3SM -SN BR. NC...
 OTRW..
 ALG CST..SCT009 BKN016 TOPS 080 LYRS ABV TO FL230 VIS 3-5SM -RA BR.
 ELSW..FEW009 SCT015 BKN035 TOPS 080 LYRS ABV TO FL230.
 OCNL SCT009 BKN015 VIS 3-5SM -RASN BR.
 ISOL CIGS BLW 010/VIS BLW 3SM -RASN BR.
 SRN AHKLUN MTS..SFC WND..S 20KT G30.
 OTLK VALID 070900-080300...MVFR CIG RA/SN BR.
 ...TURB...
 ISOL MOD TURB BLW 080.
 ...ICE AND FZLVL...
 AIRMET ICEOCNL MOD RIME ICEIC 060-160. NC...
 FZLVL 010 NW SLPG TO 040 SE.
 .
 AK PEN AI...VALID UNTIL 070900
 ...CLOUDS/WX...
 AIRMET MT OBSCMTS OCNL OBSC IN CLDS/PCPN. INTSF... OTRW..
 FEW001 SCT015 BKN025 BKN050 TOPS 110 INCRG LYRS ABV TO FL330.
 OCNL BKN015 OVC025 VIS 3-5SM -SHRA BR.
 SFC WND..SE-S 20G35 KTS.
 OTLK VALID 070900-080300 MVFR CIG RA WND.
 PAC SIDE..OCNL IFR CIG RA BR WND.
 ...TURB...
 AIRMET TURBOCNL MOD TURB BLW 060. LEE OF HIR TRRN..ISOL SEV
 TURB WI 020AGL. INTSF...
 ...ICE AND FZLVL...
 NIL SIG. FZLVL 040 N SLPG TO 080 SW.
 .
 UNIMAK PASS TO ADAK AJ...VALID UNTIL 070900
 ...CLOUDS/WX...
 AIRMET MT OBSCMTS OCNL OBSC IN CLDS/PCPN. NC... OTRW..
 SCT015 BKN025 BKN060 TOPS 110 SEPD LYRS ABV TO FL280.
 OCNL BKN015 VIS 3SM -SHRA BR.
 SEGUAM ISLAND E..SFC WND..SE 20G30 KTS.
 OTLK VALID 070900-080300 IFR CIG SHRA BR.
 ...TURB...
 AIRMET TURBSEGUAM ISLAND E..OCNL MOD TURB BLW 040. WKN...
 OTRW..NIL SIG.

...ICE AND FZLVL...
NIL SIG. FZLVL 030 NW SLPG TO 080 SE.

On Wed, Feb 19, 2025 at 3:01 PM [REDACTED] > wrote:

Hi [REDACTED]

Thank you so much! Very helpful. One follow up question... probably knew it was coming....
Where did the Area Forecast criteria come from then:

Isolated moderate, occasional to continuous moderate, and moderate with isolated severe conditions (icing and turbulence) will be depicted on the graphics (previously isolated moderate conditions were not included on the graphics). Occasional or prevailing severe conditions will continue to be addressed in SIGMETs.

I appreciate the help!!

From: [REDACTED]
Sent: Wednesday, February 19, 2025 12:09 PM
To: [REDACTED]
Subject: Re: request for history AAWU icing category text info....

[CAUTION] This email originated from outside of the organization. Do not click any links or open attachments unless you recognize the sender and know the content is safe.

I could have sworn I sent this to you yesterday. Here is what I got back from ARH (see also attachments):

Yes. Prior to 2013 our icing graphics showed only airmet criteria icing (Occasional Moderate Icing) or greater/worse. Meanwhile in the Area Forecast, we would provide the airmet criteria icing or greater/worse and also include where we thought there might be isolated pockets of moderate icing possibly within a larger area of light icing. When we modernized to using digital forecasts, we wanted the text formatter to match what we were previously manually typing in the Area Forecast. So we added Isolated Moderate Icing to our grids/graphics which allowed us to continue our Area Forecast practice. The other big advantage to deriving the text from the grid was to ensure our graphic always matched the Area Forecast and ability to depict more details graphically.

The changes to our graphics back then were done after more than a year of close coordination with the FAA and NWSHQ. I attached a PDF we used to advertise the changes in addition to other means. I also attached an example of our icing graphics from 2012. If you need more information, I'm happy to discuss over phone/video call.

Let me know if you have any more questions or need more information.



On Tue, Feb 18, 2025 at 10:20 AM [REDACTED] wrote:

Hi [REDACTED]

Yes, we spoke to [REDACTED] and he gave us the history of that wording saying it came direct from the Area Forecast/AIRMET text at the time when the graphics were ported over. I don't know if anyone is still around besides Nate from that timeframe or if there is/was official documentation?

Thanks for the help!

Heading back down to Seattle today (from Nome...) for some interviews on a different case through Friday...



From: [REDACTED]
Sent: Tuesday, February 18, 2025 9:44 AM
To: [REDACTED]
Subject: Re: request for history AAWU icing category text info....

[CAUTION] This email originated from outside of the organization. Do not click any links or open attachments unless you recognize the sender and know the content is safe.

Interesting - you spoke to [REDACTED], right? Because usually, he has the historical perspective on things.

Just b/c I'm trying to catch back up - who all did you talk to at AAWU? That might help me figure out who to reach out to. The former AAWU MIC is now with the FAA - might have to reach across that aisle.

[REDACTED]

On Fri, Feb 14, 2025 at 12:20 AM [REDACTED] > wrote:

Hi [REDACTED]

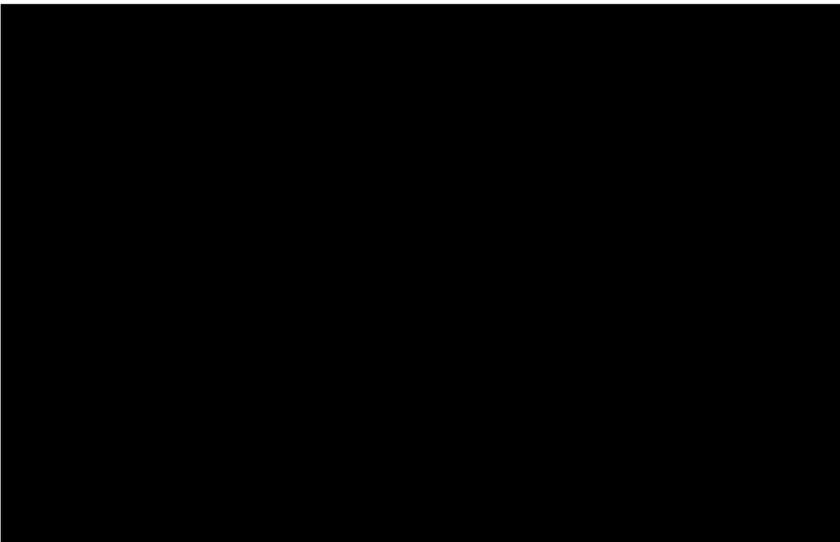
We appreciate the time with the AAWU yesterday and today and all the helpful information. One of the discussions was on the text legend in the icing graphic tab:

[Alaska Aviation Weather Unit](#)

And where those categories for "isolated moderate", etc... came from. It was

mentioned that the icing graphic just pulled this straight from the AAWU icing text document from the Area Forecast at the time back in 2010-2013 or so. Do you know where the NWS or Alaska region document that would contain the history behind these categories or the guidance therein? We mentioned to the AAWU folks that we would request this through you today.

Thanks for any help!



CONFIDENTIALITY NOTICE - THIS E-MAIL TRANSMISSION MAY CONTAIN INFORMATION THAT IS PRIVILEGED, CONFIDENTIAL, PROPRIETARY, SUBJECT TO COPYRIGHT, AND/OR EXEMPT FROM DISCLOSURE UNDER APPLICABLE LAW. IT IS FOR THE USE OF INTENDED RECIPIENTS ONLY. If you are not an intended recipient of this message, please notify the original sender immediately by forwarding what you received and then delete all copies of the correspondence and attachments from your computer system. Any use, distribution, or disclosure of this message by unintended recipients is not authorized and may be unlawful.

CONFIDENTIALITY NOTICE - THIS E-MAIL TRANSMISSION MAY CONTAIN INFORMATION THAT IS PRIVILEGED, CONFIDENTIAL, PROPRIETARY, SUBJECT TO COPYRIGHT, AND/OR EXEMPT FROM DISCLOSURE UNDER APPLICABLE LAW. IT IS FOR THE USE OF INTENDED RECIPIENTS ONLY. If you are not an intended recipient of this message, please notify the original sender immediately by forwarding what you received and then delete all copies of the correspondence and attachments from your computer system. Any use, distribution, or disclosure of this message by unintended recipients is not authorized and may be

unlawful.

CONFIDENTIALITY NOTICE - THIS E-MAIL TRANSMISSION MAY CONTAIN INFORMATION THAT IS PRIVILEGED, CONFIDENTIAL, PROPRIETARY, SUBJECT TO COPYRIGHT, AND/OR EXEMPT FROM DISCLOSURE UNDER APPLICABLE LAW. IT IS FOR THE USE OF INTENDED RECIPIENTS ONLY. If you are not an intended recipient of this message, please notify the original sender immediately by forwarding what you received and then delete all copies of the correspondence and attachments from your computer system. Any use, distribution, or disclosure of this message by unintended recipients is not authorized and may be unlawful.