



(U) When the 'Traffic Fairy' Lets You Down

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(C//SI) PINWALE users: If your target seems to have ceased communicating, consider whether it could in fact be a collection, processing or other problem.

(C//SI) Sometimes the normally reliable "traffic fairy" can't or won't deliver your target's text-based data network communications to PINWALE, at least not in a usable form.

(C//SI) When this happens, don't assume that your target is no longer communicating or is no longer accessible. The reasons for missing or "garbled" traffic can vary, but quite often boil down to:

- A. (C//SI) The source of the traffic, usually known as the carrier and labeled with a case notation, has moved, changed characteristics, or gone "off the air" (OTA);
- B. (C//SI) The target itself has changed carriers or communication modes;
- C. (C//SI) The automated processing of the traffic by the SIGINT architecture is being done incorrectly or incompletely;
- D. (S//SI) Your CADENCE selectors may not be hitting due to improper syntax or encoded data; or,
- E. (S//SI) Your CADENCE category's priority in the Forwarding Instruction Table (FIST) is set to a low priority or Priority 6. (Comment: Priority 6 is dependent on another category hitting on the same message with a priority of 1-5 which allows forwarding. If your category is the only category on the message and the priority is 6, the message will not route back to NSAW.)

(U//FOUO) There are several checks that can easily be performed by you:

1. (C//SI) Question: Is any traffic from the carrier (case notation) that you used to observe your target on still arriving in PINWALE?

(S//SI) Answer: If NO and the traffic appears to have "dried up," it could be that the frequency of the carrier has changed, or that the carrier is OTA. Another possibility - the traffic is not being routed in the forwarding thread (example: OUTBLAZE->SCISSORS).

(U//FOUO) What to Do: Contact your product line's collection support element and the text data flow team.

2. (C//SI) Question: Does the traffic from the target carrier, which once look like it was being processed correctly ("clean"), now look consistently "garbled"?

(S//SI) Answer: IF YES, it is possible that the protocol stack has changed and/or the sessionizing software (example: WEALTHYCLUSTER/POWERPLANT) is encountering processing problems.

(C//SI) What to Do: Contact your product line's collection support element.

3. (S//SI) Question: Are the traffic selectors (CADENCE dictionary terms) still adequate for your target?

(S//SI) Answer: Remember - just because your PINWALE retrieval strategy has been

Especially since a single carrier is rarely the sole source for a given target set.

(S//SI) **The bottom line is, if you have tried everything, and nothing seems to work, contact your collection support element and let them know you have lost your target.** The appropriate SIGDEV element(s) and [S33](#) mission managers will be engaged from there. In any case, these folks should be able to help you correctly identify the problem and help you reacquire access to your target's communications in usable form.

(S//SI) SPECIAL NOTE: In those instances where your targets seem to have suddenly disappeared from carriers collected by Yakima Research Station (YRS aka JACKKNIFE at USF-787), we in the YRS target development branch are also here to help and advise. You can contact us at [REDACTED]@yrs.f.nsa or [REDACTED]

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