

Black Swan Communications Exercise (COMEX) CCEB ACP 131(F) Operating Signals Online Lookup Utility

Overview and Notes for Users

PROJECT OBJECTIVES:

- Create a fast, online lookup of all 624 ACP 131(F) 'Z-Codes.' Designed to be loaded and minimized on a desktop for convenient on-the-fly access. Most search results are returned in less than a second.
- Provide pure HTML4 search-result output, compatible with most modern operating system browsers, and some wireless devices.
- Help mitigate the often daunting "Z-Code maze" for newcomers and other potential (but intimidated?) BlackSwanComex participants.
- Enhance Amateur Radio operator understanding of those Z-Codes used by Military/Government, but which may be infrequently used in the Amateur Radio service. (eg: 60 meter interoperability)
- Support seamless embedding of additional BlackSwanComex-specific footnotes and supplemental information within search results (see below).

USER NOTES:

- Search request may be in upper, lower, or mixed case.
- Partial Z-code searches are allowed.
Eg: Display all Codes in the "ZA?" series. (Search "ZA")

USING "KEYWORD" SEARCHES:

Although primarily optimized for Z-Code searches, the underlying search engine architecture supports simple "string searches" of the database. Example: we want a list of all Z-Codes which deal with "Authenticate" or "Authentication". One could search each keyword separately, but the better method is to search for those unique consecutive characters found in BOTH keywords.

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In this example, both keywords contain "Authenticat" (no ending 'e').
Such a search produces the following result list:

2022 BlackSwan Communications Exercise
CCEB ACP 131(F), Communications Instructions Operating Signals
Search Results

ZNB Authentication requested for... (+2 characters) `
ZNB [BlackSwan Authenticate / Authentication Footnote`](#)
ZNC All transmissions will be authenticated-
ZND You are using authenticator incorrectly...
ZNE I am prepared to authenticate.`
ZNF Non-authenticating stations need not decrypt.
Obtain copy if applicable.
ZNG Unauthenticated heading command addresses are exempted.
ZNQ This message received 1. W/O authentication;
2. Incorrect Authenticated;
ZNS Following message has been authenticated
(NOT for radio use)
ZNT Following message has NOT been authenticated
(NOT for radio use)

It should be noted that Keyword searches must not contain spaces, and are not an exact science due to truncated and abbreviated Z-Code single-line descriptions. Your mileage may vary. However, for another useful example,... try searching the word "message".

EMBEDDED BLACKSWAN-SPECIFIC FOOTNOTESS:

In the graphic above, note the ZNB "BlackSwan Footnote" hyperlink. This is a good example of 'embedding' additional reference material within the search results. In this case, a user searching for "ZNB" will also receive the link shown,..... to a QTC post by KD8TTE.

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DISCLAIMER:

This utility is specifically designed for use by the BlackSwan Communications Exercise (COMEX) ([Link](#)). It is NOT an exact clone of the official CCEB ACP 131(F) Operating Signals document. In order to fit the most relevant Z-Code information into a single 80-character line of text,...some abbreviation, and truncation has occurred. Users are strongly encouraged to consult the official CCEB ACP 131(F) Document for official guidance and to clarify ambiguities. A link to this official document is available [here](#) .

ADDITIONAL REFERENCES AND RESOURCES:

- [The Black Swan Comex website:](#)
- [Black Swan Comex Training Slides](#)
- [Radio Message Training and Discussion](#) - (QTC@Groups.io)
- [The QSP Digital Radio Newsletter](#)
- [The KD8TTE YouTube Channel](#) - (Emergency communications by radio)

Last revised: 31-August-2022 by w8kvk