

Extended ID Processing

The **WaveWare TAP Interface** and both **COMP2** interfaces support ID field lengths from 1 to 10 digits.

The ID field can be formatted as follows:

- **Standard Method** - ID field lengths from 1 to 4 digits will cause a pager database lookup. ID fields of this format must contain numeric digits only. The numeric ID value will be compared to the ID values stored in the **WaveWare v8 Paging Encoder's** onboard pager database.
- **Extended ID Method** - ID field lengths from 5 to 10 digits will cause Extended ID processing. Extended ID processing assumes that the last 3 digits of the ID field define paging message encoding attributes, while the preceding digits define the pager capcode. Extended ID processing allows you to avoid the process of configuring a pager database in the **WaveWare v8 Paging Encoder**.

Extended ID fields should be of the form:

CCCCCCERF, where **C** represents the Cap Code, **E** represents Message Encoding Type, **R** represents RF Data Rate, and **F** represents Function Code.

The **Extended ID field** can be represented in either numeric or alphanumeric format. All Extended ID fields must be between 5 and 10 digits in length to cause the paging system to perform Extended ID processing. Incorrect formatting of extended ID fields causes a **<NAK>** response combined with an explanation message.

CCCCCC is a 2 to 7 digit numeric value representing a pager capcode. Leading zeroes are optional except in the case of capcodes 8 and 9, which should be represented with at least one leading zero, e.g. 08 or 09.

E is the message encoding type, where "0" (zero), "n", or "N" represent "numeric encoding", and "1", "a", or "A" represent "alphanumeric encoding". The numeric values for **E** are provided to support numeric-only ID fields in paging control software.

R is the RF data rate, where "5" represents 512 bps, "1" represents 1200 bps, and "2" represents 2400 bps.

F defines the function code to be delivered, where "1" is function code 1, "2" is function code 2, "3" is function code 3, and "4" is function code 4. A function code of "0" is also valid. A function code of "0" causes the default function code for a particular Message Encoding Type ("E") to be substituted. The default value for **F** is "4" when the **E** value is "alphanumeric encoding", and "1" when the **E** value is "numeric encoding".

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Extended ID Processing Continued:

Following are valid example Extended ID fields causing Extended ID processing:

08A20 – Causes delivery of a standard (function code 4) alphanumeric message to capcode 0000008 at 2400 bps

08A24 – Same result as above

0008124 – Same result as above

000008124 – Same result as above

11A53 – Causes delivery of an alphanumeric message with function code 3 to capcode 0000011 at 512 bps

000011A53 – Same result as above

11N53 – Same result as above, but with numeric encoding

038N52 – Causes delivery of a numeric message with function code 2 to capcode 0000038 at 512 bps

This Completes the "Extended ID Processing"