

PDF417

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also known as: ISO/IEC 15438:2001(E)

1. Example

Example PDF417 symbol

2. Structure

The configuration for the default implementation is:

```
<barcode>
  <pdf417>
    <module-width>{length:0.352777mm}</module-width> <!-- 1 pixel at
72dpi -->
    <row-height>{length:3mw}</vertical-quiet-zone>
    <columns>{number:2}</columns>
    <ec-level>{number:0}</ec-level>
    <quiet-zone enabled="{boolean:true}">{length:2mw}</quiet-zone>
    <vertical-quiet-zone>{length:default is same as
quiet-zone}</vertical-quiet-zone>
  </pdf417>
</barcode>
```

3. Notes

- This symbology has no human-readable part!
- "ec-level" is the error correction level and must be between 0 and 8.
- If "vertical-quiet-zone" is not set explicitly, it is the same as the horizontal quiet zone.
- Depending on the size of the message, "columns" and "ec-level" may need to be adjusted. Read possible error messages carefully.
- Macro PDF417 functionality is not implemented, yet.
- Compact PDF417 functionality is not implemented, yet.

4. Message format

- All printable ASCII characters are valid characters.
- Byte compaction mode permits all 256 possible 8-bit byte values to be encoded.
- Using only numeric characters allows for smaller symbol sizes.
- Currently, no ECI functionality is available. All characters are interpreted in "cp437" (PC437) encoding.