

Common Message Implementation Errors



Jane Gilbert
Director, AHML





Message Structure



- Incorrect Message Structure
- Additional Segments
- Required Segments Missing
- Incorrect Segment Order





Fields



- Required Fields Missing
- Incorrect Number of Separators
- Deprecated Fields populated





Data Types



- CE – Coding System / Text
- HD – Assigning Authorities and Identifiers
- XPN – Surname & Firstname Grouped into Surname Field
- XTN – Number in First Component





Other



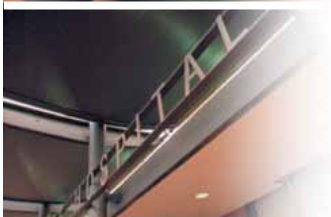
- Line Feed and Carriage Returns
- Not escaping Encoding Characters in Display Segments
- Use of Z and NTE (Notes) Segments
- Incorrect Table Values





Changes to Standards

- Use of GUID's break length restrictions





Following are AHML Error Messages and Explanations





UNMATCHED SEGMENT



- Segment found that is inconsistent with the message structure supplied
 - Could be wrong segment added
 - Could be segment missing





MANDATORY ELEMENT IS MISSING



- An element that is defined as required in the specification was not found





MANDATORY COMPONENT IS MISSING



- A component that is defined as required in the specification was not found





ELEMENT EXCEEDS MAXIMUM LENGTH



- The length of the element is longer than the maximum length defined in the specification





COMPONENT FAILED VALIDATION AGAINST TABLE



- A component contains a value that was not found in a specific lookup table





THIS ELEMENT SHOULD NOT BE VALUED



- An element that is defined as do not use in the specification contains data





FORMAT DOES NOT FOLLOW HL7 STANDARDS RECOMMENDATION



- The format of the data found does not follow that which is recommended by the HL7 standard
 - Common datatype to have this error is the TS (Timestamp)
 - The timezone offset is frequently missing





Thank You



Jane Gilbert
Director, AHML

j.gilbert@ballarat.edu.au

03 53279142

