

Formatting Pattern

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Contents

Problem

- Community has expressed need to send **styled textual information** via GDSN.
- `FormattedDescription` and `formattingPattern` provide this, but are difficult to implement and use.
- HTML code is being used by some datapools, but:
 - Unstandardized
 - Unsafe
 - Must be escaped/unescaped
 - Not adapted to current XML modeling

Examples

- Current TIIG framework

```
formattingPattern="(1,p),(1,em),(56,/em),(141,em),(159,/em),(214,em),(266,/em),(34
```

- HTML `<stringAVP attributeName="ingredientStatementFormattingPattern"><u>Stuff</u>`
`<stringAVP attributeName="ingredientStatementFormattingPattern">stuff
Ingredients`
`Stuff</stringAVP>`

Suggested solution

- Implement BBCode formatting.
 - Simple
 - Safe
 - Flexible
 - Well-established
- Syntax

BBCode	Effect
[b]	Bold
[i]	Italic
[u]	Underline
[br]	Line break
[url]	Insert link
[color=color]	Change text color to {color}
[align=alignment]	Align text e.g. to center
[list]	Make list
[*]	Add list item

- Example BBCode

[b]4 X Flamin' Hot Flavour Baked Corn Snack. Ingredients: [/b]Maize, Vegetable Oil

Suggested process:

- Service providers implement rich-text editors in their GUIs, or ...
- End users fill in TII, by hand.
- DP forwards TII to recipient
- Recipient decides how or whether to handle styled TII

Considerations

- Limit complexity: Agree on allowed subset of BBCode.
- Modeling: Replace `formattingPattern`, `sequenceNumber`?
- Validations: For all styled text, ensure recipients get same text un-styled.