

Guidelines for the Blood Transfusion Services

25.5: Message protocols

<http://www.transfusionsguidelines.org/red-book/chapter-25-standards-for-electronic-data-interchange-within-the-uk-blood-transfusion-services/25-5-message-protocols>

25.5: Message protocols

Table 25.2 indicates the protocols defined to date.

Table 25.1 Envelope definition

| Field | Length | Description | Format | Mandatory? | Notes |
|-------------|--------|-----------------|-----------------|------------|-------------------------|
| Header line | | | | | |
| 1 | 5 | Line number | NNNNN | Y | Always 00001 for header |
| 2 | 10 | Fixed text | 'UKBTSSTART' | Y | |
| 3 | 8 | Date | YYYYMMDD | Y | |
| 4 | 4 | Time | HHMM | Y | |
| 5 | 6 | Protocol number | NNNNNN | Y | Allocated by UK SACIT |
| 6 | 6 | Source ID | XXXXXX | Y | |
| 7 | 6 | Destination ID | XXXXXX | Y | |
| 8 | 2 | Checksum | NN | Y | |
| 9 | 1 | Terminator | Carriage return | Y | |
| Footer line | | | | | |
| 1 | 5 | Line number | NNNNN | Y | |
| 2 | 9 | Fixed text | 'UKBTSSTOP' | Y | |
| 3 | 5 | No. of records | NNNNN | Y | |
| 4 | 2 | Checksum | NN | Y | |
| 5 | 1 | Terminator | Carriage return | Y | |

Table 25.2 Message protocol numbers

| Protocol number | Title | Description |
|-----------------|--|---|
| 000001 | Blood component dispatch information | Defines the message used to transfer information on blood component issues |
| 000002 | Blood derivative dispatch information | Defines the message used to transfer information on blood derivative issues |
| 000003 | Reagent dispatch information | Defines the message used to transfer information on reagent issues |
| 000004 | Blood component dispatch acknowledgement | Defines the message used to transfer information on blood components received |
| 000005 | Blood component fate information | Defines the message used to transfer information on the fate of blood components received |

The message protocols contain a range of data defined as either mandatory or optional. The mandatory fields give essential information and must contain valid data. The optional fields give the flexibility to build in a wide range of additional information, but if not required are left as blank (space character) fields.