

```
<!ENTITY % string "(#PCDATA)">
<!ENTITY % int    "(#PCDATA)">
<!ENTITY % date   "(#PCDATA)">
<!ENTITY % xml    "(#PCDATA)">

<!ELEMENT ribMessage (
  family,
  type,
  id*,
  ribmessageID,
  routingInfo*,
  publishTime,
  hospitalID?,
  failure*,
  messageData
)>
  <!ELEMENT family %string;>
  <!ELEMENT type %string;>
  <!ELEMENT id %string;>
  <!ELEMENT ribmessageID %int;>
  <!ELEMENT messageData %xml;>
  <!ELEMENT routingInfo (name, value)>
    <!ELEMENT name %string;>
    <!ELEMENT value %string;>
  <!ELEMENT publishTime %date;>
  <!ELEMENT lastFailureTime %date;>
  <!ELEMENT retryCount %int;>
  <!ELEMENT hospitalID %int;>
  <!ELEMENT failure (time, location, description)>
    <!ELEMENT time %date;>
    <!ELEMENT location %string;>
    <!ELEMENT description %string;>
```