

```

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

<!ELEMENT RibMessages (
    publishetname?
    , ribMessage+
)>

<!ELEMENT ribMessage (
    family,
    type,
    id*,
    ribmessageID,
    routingInfo*,
    publishTime,
    hospitalID?,
    failure*,
    messageData,
    customData?,
    customFlag
)>
<!ELEMENT publishetname %string; >
<!ELEMENT family %string;>
<!ELEMENT type %string;>
<!ELEMENT id %string;>
<!ELEMENT ribmessageID %int;>
<!ELEMENT messageData %xml;>
<!ELEMENT routingInfo (name, value, detail*)>
<!ELEMENT name %string;>
<!ELEMENT value %string;>
<!ELEMENT detail (dtl_name, dtl_value)>
    <!ELEMENT dtl_name %string;>
    <!ELEMENT dtl_value %string;>
<!ELEMENT publishTime %date;>
<!ELEMENT hospitalID %int;>
<!ELEMENT failure (time, location, description)>
    <!ELEMENT time %date;>
    <!ELEMENT location %string;>
    <!ELEMENT description %string;>
<!ELEMENT customData %xml;>
<!ELEMENT customFlag %string;>

```