Z116 – Messages to be Sent to the HK System

Z116 are messages which are sent from Aleph to the HK system.

HK system is an Automated Retrieval System-ARS (also known as a Warehouse Management System-WMS) which is used to handle storage and accessibility to library materials that are warehoused at remote storage facilities.
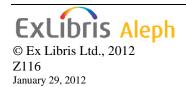
The following Aleph scenarios trigger a Z116 message to the ARS:

- An item is added to the ARS collection. Message type ADDI is sent to ARS.

- An item is removed from the ARS collection. Message type DELI is sent to ARS.

- An item is requested from the ARS collection. Message type REQI is sent to ARS.

The transferred messages are structured as required by the HK system so that ARS is updated with relevant information and required actions are performed by the ARS.

An Aleph daemon,ue_23, checks for new Aleph Z116 messages to be sent to the HK system. The ue_23 daemon configuration is set by ./alephe/tab/tab_hk_system.conf.

In the following table, (X) denotes an alphanumeric field and (9) denotes a numeric field. All alphanumeric fields are left-aligned with trailing spaces; all numeric fields are right-aligned with leading zeroes. Decimal positions are indicated by the symbol V. The total number of decimal digits is designated by the number of nines following the V.

```
01  Z116.
  02 Z116-REC-KEY.                          K
    03 Z116-TIME-STAMP            PICTURE X(16).
  02 Z116-STATUS                  PICTURE X(1).
  02 Z116-LIBRARY                 PICTURE X(5).
  02 Z116-MESSAGE-TYPE            PICTURE X(4).
  02 Z116-BARCODE                 PICTURE X(30).
  02 Z116-REC-KEY-1               PICTURE X(30).
```

Z116-REC-KEY			
Z116-TIME-STAMP		X(16)	**DESC:** Message key. Timestamp
Z116-STATUS		X(1)	**DESC**: Message Status
Z116-LIBRARY		X(5)	**DESC:** Aleph source library.
Z116-MESSAGE-TYPE		X(4)	**DESC:** Message type, Option: • ADDI • DELI • REQI
Z116-BARCODE		X(30)	**DESC:** Item Barcode
Z116-REC-KEY-1		X(30)	**DESC:** Either z30_rec_key or Z37_rec_key