

EVENT NOTIFICATION SYSTEM (ENS)

An Integrated Notification Tool

The **Event Notification System (ENS)** allows users to send notifications when specific events occur in the MEDITECH HCIS. The various components of ENS will monitor Admissions, Nursing, Caretaker processes in the background and generate notifications when specific criteria are met. The Query component allows users to send notifications based on Customer Defined Query responses in any MEDITECH module!

Notifications can be in the form of:

- An OA Message
- An **NPR Report Fragment**

The notifications can be delivered via:

- PRINT**ing the notification to one or more locations' default printer
- **MOX**ing the notification to one or more users' MOX mailbox
- **E-MAIL**ing (internet) the notification to one or more recipients
- **FAX**ing the notification to one or more MEDITECH Fax Recipients
- **PAGER** using internet email notifications or direct dial paging

ENS Features

- Uses existing MEDITECH software to create notification messages
- User Friendly, PCI-like (arrow-key driven) user interface
- Background Job Monitors
- Audit Trail & Error Logs
- Patient Notification History Reports (Detail / Summary)
- Fax Parameters Dictionary w/ Customer-Defined Cover Pages
- Auto-Notification of Failed Faxes
- Re-Send capability for failed notifications
- Custom-Defined fields
- Over 30 Built-in Keywords for dynamic notification destinations such as doctors, locations and entering users

System Requirements

ENS was written in the Magic programming language and designed to run on a Magic-based platform, thus no additional hardware is required to run the software. Faxing via ENS will require the use of at least one MEDITECH Faxbox. *Internet email and paging require SMTP access to the internet through MEDITECH. ENS programs and data will take up minimal space as it resides in a custom directory on a Magic machine.

Specific Components of ENS

Query Notification

Send notifications based upon the answers to customer-defined queries. MIS Screen Attributes invoke Iatric Systems' programming code to check query responses and generate associated actions if auto-trigger criteria are met.

Attributes are provided by Iatric Systems, and no prior knowledge of attributes is required. Query response criteria can range from very simple Yes/No types to very complex combinations of various query responses.

Users have implemented QNS in the following manner:

- If the patient is admitted with a Requested Accommodation of "PRIV", the system prints the Private Room Request form (an NPR REPORT) for the patient/family to sign.
- Depending on the Insurance Type, one of six different worksheets prints to Utilization Management for the Case Manager to follow up with the insurance company. The different worksheets meet the needs of Medicare, Medicaid, Private Insurance, etc.
- If the Registration Clerk indicates that there is no one to admit the patient, a form prints to the floor, in very large print (1 inch letters) letting the staff know that they need to send any family to registration.
- There is an action setup to notify Nursing Administration if a girl under the age of 13 is admitted to deliver a baby.

Nursing Notification System (NNS)

An add-on component to Query Notification, the Nursing Notification System constantly monitors recently documented NUR activity, checking for auto-trigger criteria. The primary advantage is that data uploaded via the MEDITECH Handheld Devices are eligible for query checking. Also, no attributes are required.

Users have implemented NNS in the following manner:

- After documenting a Nursing Intervention, NNS waits for the Intervention to file, and then sends the message. This avoids a common "blank field" problem with standard OA messages, since when the message is sent, the entry has been filed and all fields are available.
- When the nurse finishes the Admission Assessment for home meds, the system prints the First Day MAR and Doctor's Orders form, listing all of the home meds using NPR reports.
- Interventions often result in a consult being necessary. If a consult becomes necessary (based on an answer to a customer defined query), a message is sent to the department/user responsible for scheduling the consult.

ADT Notification (Admission, Discharge, Transfer)

Monitors ADT events within the Admissions module searching for criteria defined in the **ADT Condition Dictionary**. Standard and customized Admission fields may be used in the selection logic. If needed, selection logic can be complex combinations of various field values.

Users have used ADT notification for the following:

- Fax face sheets to both admitting and attending docs at the time of registration.
- Notify Pharmacy when an Obstetrical patient is transferred to the floor from L&D so that they can discontinue the labor drugs and start them on the post partum drugs per the protocol.

- A message prints to Housekeeping when a patient is discharged or transferred that informs them of the empty bed, without displaying the patient information.
- Fax notification to primary care physician when patient is admitted.

Caretaker Notification

- IS Staff can be paged or emailed if an interface fails to communicate with your MEDITECH HCIS or if a background job fails
- Conditions may be based on Caretaker message text or may be based on block count thresholds or variants
- Monitors Caretaker activity searching for text strings. Users may define specific message types and/or machines to search on.

Lab Results Notification

- Notify physicians via email with certain lab tests when they become available
- Page physicians, other staff when lab values are abnormal

Housekeeping Component

Designed to automate the housekeeping process for sites that are currently using or are able to use the MEDITECH Housekeeping Routines

- When a bed status changes in the MEDITECH Admissions Module, ENS will monitor this change and evaluate whether a notification should be sent.
- If the event meets the criteria you have setup in the ENS Housekeeping Conditions Dictionary, then a notification will go to the appropriate recipient.
- If the bed status is not updated within the specified time interval, another notification may be sent. The Housekeeping Supervisor can also be notified at this point.
- Notifications can be setup to print the room/bed/status directly on the message.
- **As with all ENS components, notifications may be in the form of an electronic page, a MOX/email message, Fax or a printed report.**

For more detail on **Event Notification System**, please refer to our **Event Notification Product Features** brochure. To schedule a demonstration of **Event Notification System** or any other Iatric product, please contact us using the information below.