



**Applications
Developer**
Technical Guide
Version 6.00

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Table of Contents

Chapter 1.....	4
Implementing Standard Features	4
Implementing Email Alerts Within Fitrix.....	5
Index	12

Chapter 1

Implementing Standard Features

This chapter contains detailed instructions for implementing standard application features in Fitrix. This guide is intended for use by software developers.

Implementing Email Alerts Within Fitrix

The Fitrix applications are shipped with a number of built in Email Alert functions. These functions are all constructed in a unified manor and rely on specific setup data (such as email addresses) which must be accounted for and eventually call an email alert library function which passes the alert that has been constructed to an email facility. The following instructions are intended to help a developer add a new email alert to Fitrix:

To implement an email alert within a program you need to call the `handle_fitrix_event(event_name)` library function passing an `event_name` that must be pre-defined at event header table "stxevtms". Parameters are passed to the `handle_fitrix_event()` function using `put_vararg()`.

Note: `all.4gm/lib.4gs` library must be included in the Makefile in order to use this function.

Type of parameters passed to `handle_fitrix_event()` function:

In addition to Recipients, Cc Recipients, and Bcc Recipients defined in the event tables, a programmer can pass dynamically determined recipients using parameters: "recipient", "cc_recipient" and "bcc_recipient" as follow:

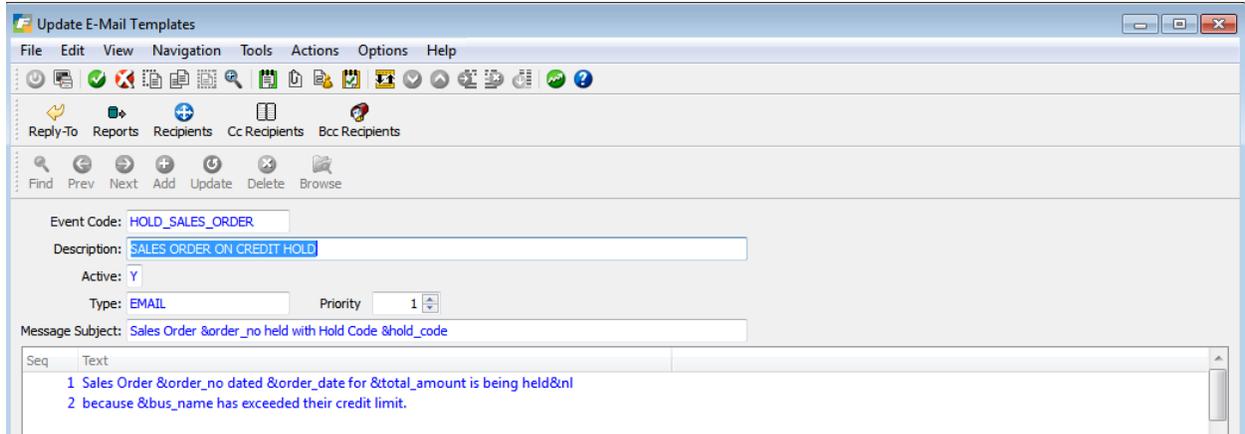
```
call put_vararg("recipient")
call put_vararg(recipient_email_address)
call put_vararg("cc_recipient")
call put_vararg(cc_recipient_email_address)
call put_vararg("bcc_recipient")
call put_vararg(bcc_recipient_email_address)
```

To pass parameters defined in the event "Message Subject" and "Text" fields using a wildcard "&" use:

```
call put_vararg("parameter")
call put_vararg(parameter_value)
```

The following example will show you how to implement "HOLD_SALES_ORDER" event in the "Update Customer Orders" program `oe:i_order`:

Step One: Define event using "Update E-Mail Templates" screen:



Event Code – a unique identifier for this email alert. The event code is used within the program code to trigger the email alert.

Description - a freeform description of the email alert.

Active - set to Y if this event is Active, set to N if it is not used.

Type - currently, EMAIL is the only valid type.

Priority - This is used to set the priority level of the email. 1 is the highest and 5 is the lowest. Priority 1 is used for Urgent emails. In most email systems it causes the email to be highlighted in some way, such as an exclamation point 📧. Priority 3 is standard email priority. Priority 5 is low priority. In most email systems it causes the email to be denoted with a low priority mark 📧.

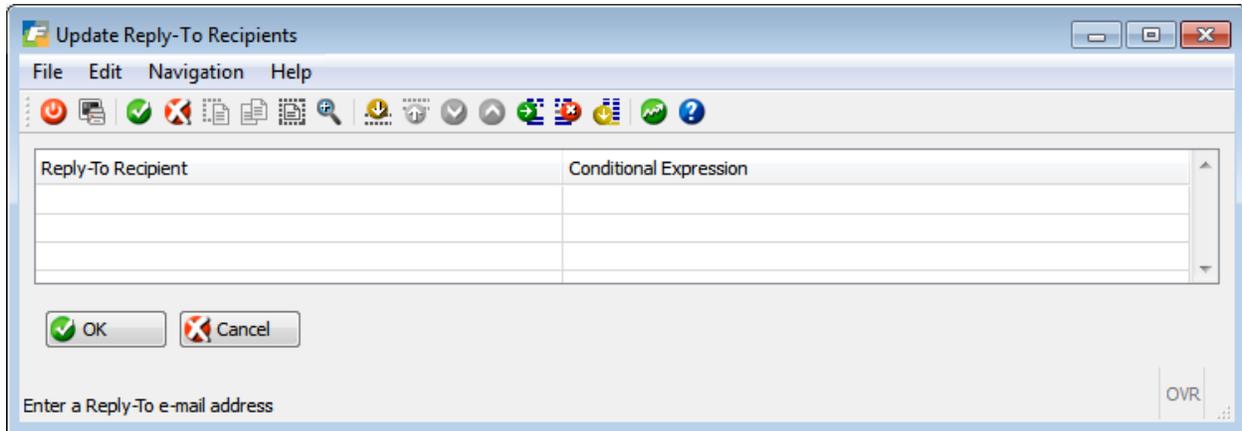
Message Subject- this will be inserted into the subject of the email. Wildcards may be used to place dynamic values into the subject. These must be coordinated with a programmer.

Text - This is the body of the email. Wildcards may be used here also, and must be coordinated with a programmer.

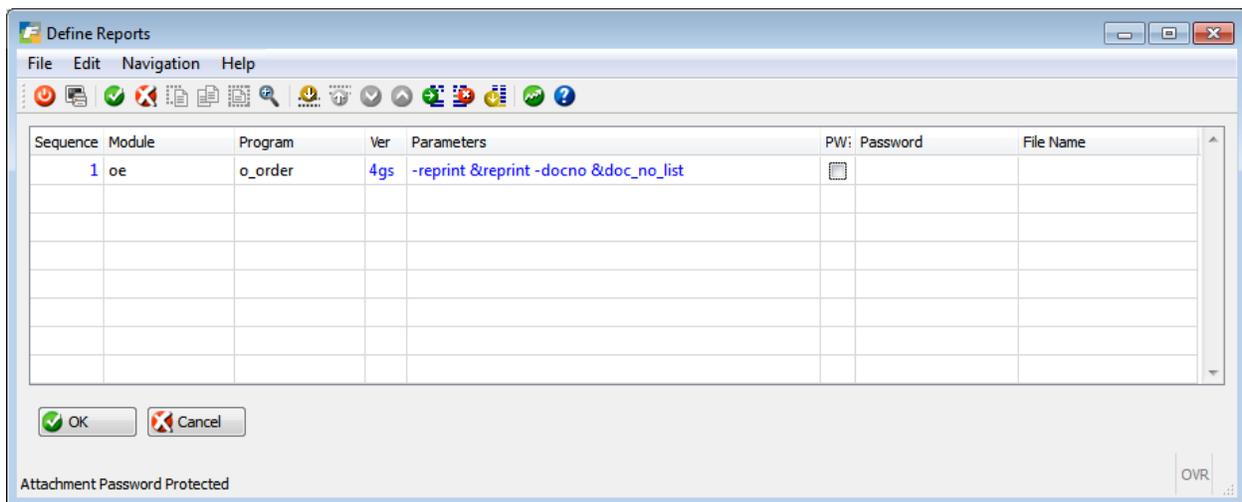
After creating and saving the email alert record, choose “Update” and use these toolbar buttons to set additional parameters:



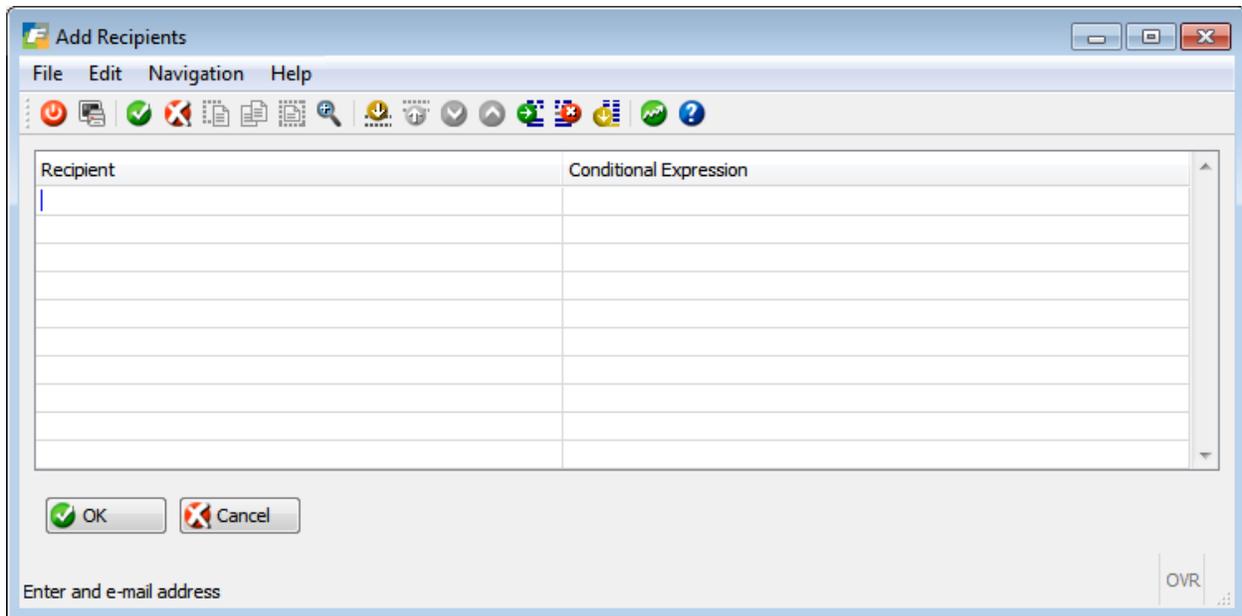
Reply To - If a default email address is to be used when the recipient clicks “Reply”, enter the email address here. It can be left blank. Conditional Expression is reserved for future use.



Reports – You can run a system report and attach it to the email as a PDF. Enter the module, program name, and version. The parameters must be coordinated with a programmer. These enable you to retrieve specific records in the report. The PDF may be password protected by checking the PW box and entering a password. A file name must be assigned to the report.



Recipients, Cc Recipients, and Bcc Recipients – Enter the email address of recipients, Cc Recipients and Bcc Recipients that will receive this email each time the alert is triggered. Additional dynamically determined recipients may be added within the program code with the help of a programmer. The conditional expression field is reserved for future use and can therefore be left blank for now.



Step Two: Update “Update Customer Orders” using these steps:

```
# 1) CLEAN VAR_ARG()
# -----
#_clean_vararg - before calling put_vararg() the first time
call flush_vararg()
```

```
# 2) REPORT ARGUMENTS
# -----
#_set_and_pass_reprint
if q_oordre.ack_printed = "Y"
then
  let p_reprint = "Y"
else
  let p_reprint = "N"
end if
call put_vararg("reprint")
call put_vararg(p_reprint)

#_pass_doc_no_list
call put_vararg("doc_no_list")
call put_vararg(p_oordre.doc_no)
```

```
# 3) MESSAGE SUBJECT ARGUMENTS
# -----
#_pass_&order_no
call put_vararg("order_no")
call put_vararg(p_oordre.order_no)

#_pass_&hold_code
call put_vararg("hold_code")
call put_vararg(p_oordre.hold_code)
```

```
# 4) TEXT ARGUMENTS
# -----
#_pass_&order_date
call put_vararg("order_date")
call put_vararg(p_oordre.order_date)

#_pass_&total_amount
call put_vararg("total_amount")
call put_vararg(p_oordre.total_amount)

#_pass_&bus_name
call put_vararg("bus_name")
call put_vararg(p_oordre.bus_name)
```

```
# 5) RECIPIENTS
# -----
#_select_salesperson_email_using_salesperson_code
select stxinfor.src_email into salesperson_email
from stxinfor
where stxinfor.src_type = "L" and stxinfor.src_key = p_oordre.sls_psn_code

#_pass_salesperson_email_as_recipient
if salesperson_email is not null then
then
    call put_vararg("recipient")
    call put_vararg(salesperson_email)
end if

#_select_credit_manager_email - using credit manager code
select stxsecur.email into credit_manager_email
from stxsecur
where stxsecur.user_id = m_sellto.credit_manager

#_pass_credit_manager_email_as_cc_recipient
if credit_manager_email is not null then
    call put_vararg("cc_recipient")
    call put_vararg(credit_manager_email)
end if
```

```
# 6) CALL HANDLE FITRIX EVENT FUNCTION
# -----
#_call_handle_fitrix_event
call handle_fitrix_event("HOLD_SALES_ORDER")
```

```
# 7) CLEAN VAR_ARG()
# -----
#_clean_vararg
call flush_vararg()
```

Below is HOLD_SALES_ORDER email alert generated by sales order 2035 shown here:

The screenshot displays the 'Update Customer Orders' application window. The 'Order' section is highlighted, showing the following details:

- Order Number: 2035
- Contract: 2035
- Order Date: 03/16/2016
- Hold Code: HOLD
- Order Total: 20.00

The 'Line Items' table at the bottom of the window contains the following data:

Ln	Type	Stg	Item Code	Description	Additional Description	Warehouse	UM	Quantity	Qty Released	Price	Net Amount	Ali
1	STK	ORD	12104	SCM A SERIES MULSTRIKE	2ND DESCRIPTION LINE	MIAMI	EA	1.000	0.0000	20.0000	20.00	

Sales Order 2035 held with Hold Code HOLD

Sergio Ramirez

Sent: Wed 3/16/2016 2:39 PM

To: Sergio Ramirez

Message: fitrix20160316135349.492.pdf (16 KB)

Sales Order 2035 dated 03/16/2016 for 20.00 is being held because TEST 2664 COMPANY has exceeded their credit limit.

Here is the attachment:



1110 Sample Street
 Seattle, WA 98133
 (800)555-1212

**ACKNOWLEDGEMENT
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PAGE
1

Sell To: TEST 2664 COMPANY
 ADDRESS
 CITY GA 00912
 UNITED STATES

Ship To: TEST 2664 COMPANY
 ADDRESS
 CITY GA 00912
 UNITED STATES

Ship Terms: PREPAID SHIP POINT

ORDER NO	ORDER DATE	CUSTOMER	SALESPERSON	PURCHASE ORDER	SHIP VIA	TERMS
2035	03/16/16	TEST-2664	SP1	TEST1	YELLOW	A
ORDERED UM	ITEM	DESCRIPTION			UNIT PRICE	EXTENDED PRICE
1.000 EA	12104	SCM A SERIES MULSTRIKE 2ND DESCRIPTION LINE			20.0000	20.00
<p>This document is verification of your order THIS IS NOT AN INVOICE. DO NOT PAY THIS AMOUNT An invoice will be provided separately</p>						<p>DEPOSIT PAID SUB-TOTAL 20.00 DISCOUNT SALES TAX .00 FREIGHT .00 HANDLING FEE .00 TOTAL 20.00</p>

Index

No index entries found.