

AFE Export to Excalibur Technical Specifications

XYZ Company

Revision	Date	By
original	02/16/07	Andy Nichols
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3	03/12/07	Andy Nichols
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5	04/25/07	Andy Nichols
6	05/30/07	Andy Nichols
7	07/11/07	Andy Nichols
8	09/26/07	Andy Nichols

1. Export data according to the specifications of Excalibur (see **Section 8** for details)
 - 1.1. H – header section
 - 1.2. C – cost details section
 - 1.3. X – cost center footer
 - 1.4. A flat, tab delimited text file will be handed off to Excalibur
2. V3 will create a Service-based job that runs daily at specific time
 - 2.1. Select time to run
 - 2.2. Option to run it manually
 - 2.3. Option to email when job fails and/or succeeds
 - 2.3.1. *How many email addresses to support?*
3. Export is made up of AFEs that have been **Approved** since last export
 - 3.1. Create User Defined Field "**AFE Transferred to Excal**" on **Expenditures** (tagged down to Supplement level) tab
 - 3.2. Create User Defined Field "**Approve AFE Transferred to Excal**" on **Expenditures** (tagged down to Supplement level) tab
 - 3.3. V3 will create a second job that must run after Excalibur import job is completed
 - 3.3.1. Excalibur must report listing of AFEs (sorted using provided **Supplement Id**) that have been successfully imported); a **Success Report**
 - 3.3.2. V3 job reads **Success Report** provided by Excalibur
 - 3.3.3. V3 job will mark "**AFE Transferred to Excal**" with "Y" in AFE database to close loop
 - 3.4. XYZ Company (Renee) will, after verification of an AFE and approval, manually mark "**Approve AFE Transferred to Excal**" with "Y" to flag the AFE as ready for export
4. Setup options
 - 4.1. Select folder location where **Export File** will be placed
 - 4.2. Enter database connection information
 - 4.3. **Export File** to be named as "AFE2Excal_mmddyy_hhmmss.txt"

5. Logging
 - 5.1. Select to enable Windows Event and/or Log File logging
 - 5.2. Write overall status of job to Windows Application Event Log
 - 5.2.1. Will use application name of **AFE2Excal**
 - 5.2.2. Succeeded at xx:xx on yy/yy/yy; # records exported
 - 5.2.3. Failed on xx:xx on yy/yy/yy due to database unavailable, etc.
 - 5.3. Write status of service scheduler as well
 - 5.3.1. AFE Export serviced started/stopped
 - 5.3.2. Database connection level details
6. Clean Up
 - 6.1. Excalibur will handle deletion, archiving and maintenance of **Export File**
 - 6.2. V3 will handle the truncation of any temporary database tables in the AFE database
7. Database
 - 7.1. Need to create job scheduler database on XYZ Company's AFE database server
 - 7.2. 3-4 tables only
8. Main query specification and technical details
 - 8.1. Fields
 - 8.1.1. COMPANY CODE has been added to handle the 2 possible company codes (510, 550) 4/25/07
 - 8.1.2. CLOSE DATE has been added to the HEADER section as a permanent export field 4/25/07
 - 8.1.3. LEASE CODE has been added to the FOOTER section to denote the lease # for the AFE; see section 8.2
Footer Details below for more information 5/30/07

HEADER (H)
AFE_NUMBER
OBJECTIVE
DESC
COMPANY CODE
DISTRICT
API
WT
WI
BUDGET YEAR
SUPPLEMENT ID
SUPPLEMENT INDEX
CLOSE DATE
APPROVAL DATE
COST DETAIL (C)
AFE_NUMBER
GEN
SUB
AMOUNT
FOOTER (X)
AFE_NUMBER
COST CENTER (PROP #)
LEASE CODE (WT BASED)

8.1.4.WT will use the following translation table to convert AFE Work Type codes (2 digit) to Excalibur AFE Type codes (3 digit):

AFE Work Type Code	AFE Work Type Name	Excalibur Work Type Code
AQ	ACQUISITION	ACQ
CE	CAPITAL EQUIPMENT	CEQ
DV	DIVESTITURE	DIV
DW	DEVELOPMENT DRILL & COMPLETE	DDC
ED	EXPLORATORY DRILL	EXD
EC	EXPLORATORY COMPLETE	EXC
FP	FACILITY & PIPELINE	FPL
GG	G & G	GG
IN	INSURANCE	INS
LD	LAND/LEASEHOLD DEVELOPED	LLD
LU	LAND/LEASEHOLD UNDEVELOPED	LLU
MT	MAINTENANCE	MTN
PA	P & A	PA
RC	RECOMPLETION	REC
RG	REGULATORY	REG
SE	SEISMIC	GG
WO	EXPENSE WORKOVER	EAW

07/11/2007

8.2. Footer Details

8.2.1.For these specific work types:

- Acquisition (AQ/ACQ)
- Divestiture (DV/DIV)
- Land/Leasehold Undeveloped (LU/LLU)
- G&G (GG/GG)

The export procedure will populate the LEASE CODE spot with the value found in the COST CENTER field in the AFE system and place a null value in the COST CENTER spot.

For all other AFE work types, the opposite will occur; LEASE CODE will be null and COST CENTER will be populated (as usual) with the value found in the AFE's COST CENTER field in the AFE system.

8.3. Sort

8.3.1.By AFE_NUMBER and then custom by header section (**H** first, **C** second, **X** third)

8.4. Query

8.4.1.**Supplement Approval Date** IS NOT NULL **AND**

8.4.2.**AFE Transferred to Excalibur** IS NULL (UDF) **AND**

8.4.3.**Approve AFE Transfer to Excalibur** IS NOT NULL (UDF)

9. Insurance AFE Handling 09/26/07

9.1. Four (4) new UDFs will be added to the AFE system (Renee)

- 9.1.1. **INSURANCE_AFE** (boolean)
- 9.1.2. **INSURANCE_GROUP** (lookup list) – need values for this listing
- 9.1.3. **INSURANCE_LIMIT** (decimal) – true gross policy value limit
- 9.1.4. **ADJ_INSURANCE_LIMIT** (decimal) – adjusted, net limit based on XYZ Company’s working interest
- 9.2. When a new AFE is added to track insurance costs the **INSURANCE_AFE** field *must* be set to TRUE
- 9.3. When the AFE2Excal export begins, the **INSURANCE_AFE** field will be read to determine whether a new AFE is an insurance AFE
 - 9.3.1. If it is a new insurance AFE, then the AFE2Excal export will, in addition to the “normal” export records, add an additional “fake” AFE header record (“H” record)
 - 9.3.1.1. This header record is only present in order to add a placeholder AFE to Excalibur. This “fake” AFE will not exist in the AFE system.
 - 9.3.1.2. This AFE header record will begin with a custom, but “fake” AFE # that will be generated by taking the original AFE # and adding an “I” (i as in insurance) as a suffix (e.g. “IN8DDC030I”)
 - 9.3.1.3. The other header fields will be built with NULL values as placeholders
 - 9.3.1.4. No Cost Detail (“C”) or footer records (“X”) will be generated with this AFE #