

DSS -Timeline for Posting Billing Data

(Update to 7/28/04 Presentation)

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Response to BAWG on improving DSS timeline for posting

- Bill rescheduled to start at 1:00 pm
- DSS load (P-D) rescheduled to start at 2:00 am – Deployed 9/27/04
- Building indexes asynchronously while loading data
- Bring data mart up BEFORE running analyzes
- Interim ETL All-the-Time
 - *8:00 am, 2:00 pm & 9:00 pm load through Q-E-P stages*

DSS Load Process Description – S-Q-E-P-D (Source-Queue-ETL-Publish-Datamart)

- **S-Q : Process that moves data from NYISO source systems (MIS, BAS, etc.) to a DSS queuing area**
 - *Part of each bill run*
 - *8:30 pm settlement adjustment completion cutoff for next day load*
 - *9:00 pm initial bill cutoff for next day load*
- **Q-E-P : Process the transforms data into format thought of as DSS**
 - *9:00 pm of previous day for next day load*
 - *Completes before 2:00 am*
 - *Several DSS backups also completed in this time window for Business Continuance and QA*
- **P-D : Moves the data from the prepublishing staging area (P) into the datamart (D) where users can then access it.**
 - *Most people associate D as the DSS*
 - *Process requires outage and is targeted 2:00–5:00 am*
 - *Invoice version update performed in this window (day after NYISO sends invoice to Oracle Financials)*
- **DSS made available after P-D completes - ADD generation starts at this point**

Recent DSS Load Time Statistics

Run Day	Start Time	Finish Time	Num Files	Num Minutes	Files per Minute	Day of Week
9/29/2004	3:59:41	4:03:44	373	4.05	92.1	Wednesday
9/27/2004	5:29:50	5:32:15	232	2.42	96	Monday
9/26/2004	5:34:30	5:36:55	232	2.42	96	Sunday
9/25/2004	5:29:14	5:31:43	232	2.48	93.42	Saturday
9/24/2004	5:29:33	5:31:59	232	2.43	95.34	Friday
9/23/2004	5:32:33	5:35:00	229	2.45	93.47	Thursday
9/22/2004	5:33:54	5:36:17	229	2.38	96.08	Wednesday
9/21/2004	5:39:15	5:41:37	229	2.37	96.76	Tuesday
9/20/2004	5:44:36	5:48:07	229	3.52	65.12	Monday
9/19/2004	5:41:15	6:13:28	2056	32.22	63.82	Sunday
9/18/2004	7:56:24	7:58:49	229	2.42	94.76	Saturday
9/17/2004	5:31:53	5:34:55	229	3.03	75.49	Friday
9/16/2004	5:29:49	5:33:28	229	3.65	62.74	Thursday
9/15/2004	5:30:09	5:33:26	228	3.28	69.44	Wednesday
9/14/2004	6:06:43	7:47:09	2956	100.43	29.43	Tuesday
9/13/2004	6:23:43	8:31:00	4476	127.28	35.17	Monday
9/12/2004	6:16:24	7:58:21	5084	101.95	49.87	Sunday
9/11/2004	5:33:51	6:13:32	2168	39.68	54.63	Saturday
9/10/2004	5:43:13	5:46:39	218	3.43	63.5	Friday

Process Improvements Planned

- **Continue to target the 2:00 am – 5:00 am window**
 - *End-State ETL All-the-Time – Flexibility in the load of Q-E-P*
 - ▶ Goal 12:00 am for both initial and settlement adjustment cutoff as compared to 9:00 pm and 8:30 pm
 - ▶ Provides multiple DSS loads per day based on what is run in BAS compared to 3 fixed daily loads
- **Eliminate the lag on invoice load day**
 - *Recent changes already made will moves these time back 2 hours*
 - ▶ 9/13/04 ADD completed 8:31 am,
 - ▶ 8/17/04 ADD completed 9:35 am
 - ▶ 7/13/04 ADD completed 8:47 am
 - ▶ 6/17/04 ADD pre-release completed 8:42 am
 - *Still more to be done to get invoice day loaded in 2-5 window*
- **2005 Looking at DSS Continuous Feed**
 - *P-D stage is last step in evolution*

Questions?