



Information Technology Service Availability Metrics

ERCOT Board of Directors
July 2008

Ron Hinsley

- **A combination of issues caused Retail Transaction Processing performance to be below service level expectation for June**
- **Human error contributed to a major portion of the service availability being below expectations:**
 - During an application restart on 6/1/08, steps of the verification process were missed, causing a 688 minute outage
- **Some changes have been completed and others are underway to enhance processes and procedures in order to prevent future incidents**

Retail & Wholesale Operations

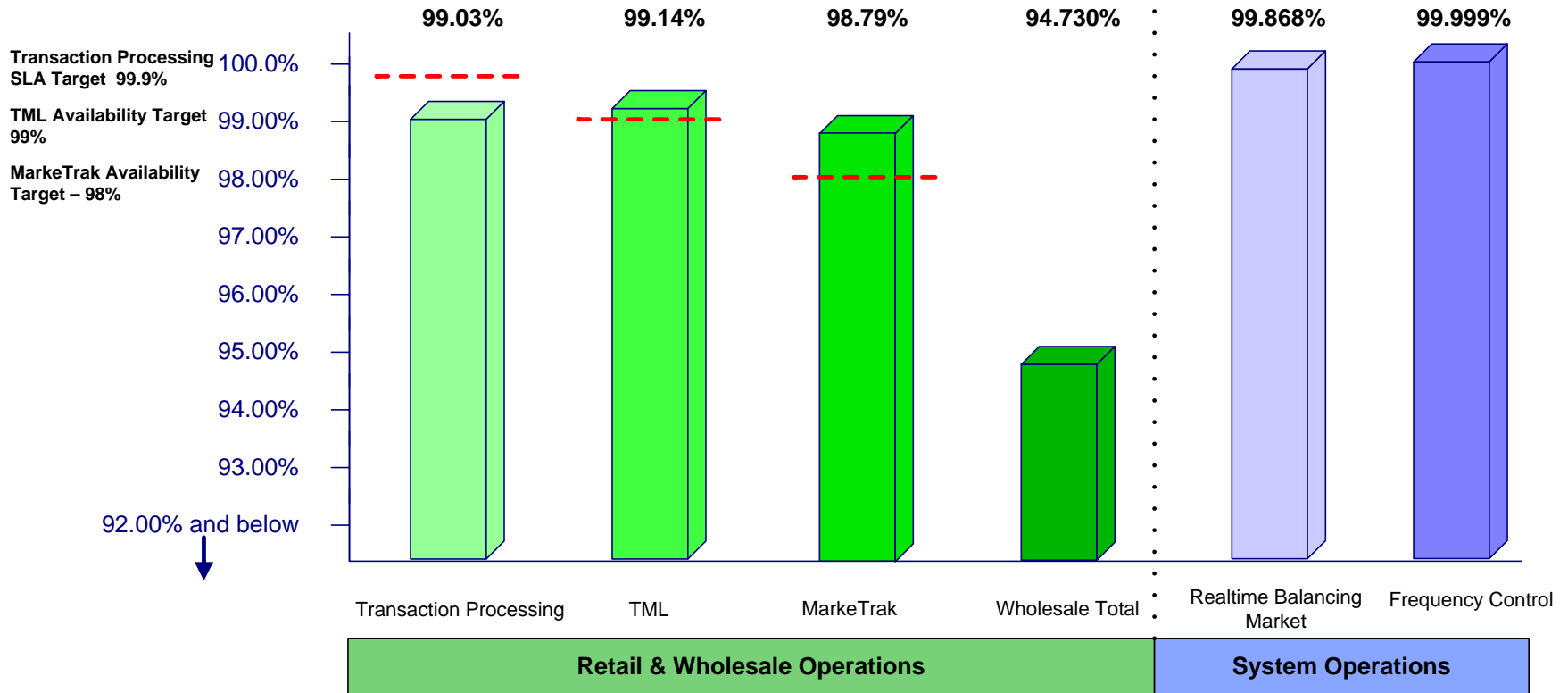
- Retail Transaction Processing
 - Measure of the availability of the systems that process retail transactions
- Texas Market Link (TML)
 - Measure of the availability of the web-based application that provides access to both general and market participant specific data
- MarkeTrak
 - Measure of the availability of the web-based application that is used to track retail market transaction issues and resolve data discrepancies
- Wholesale Total
 - Measure of the success rate of ERCOT's settlement & billing batch process completing on schedule

System Operations

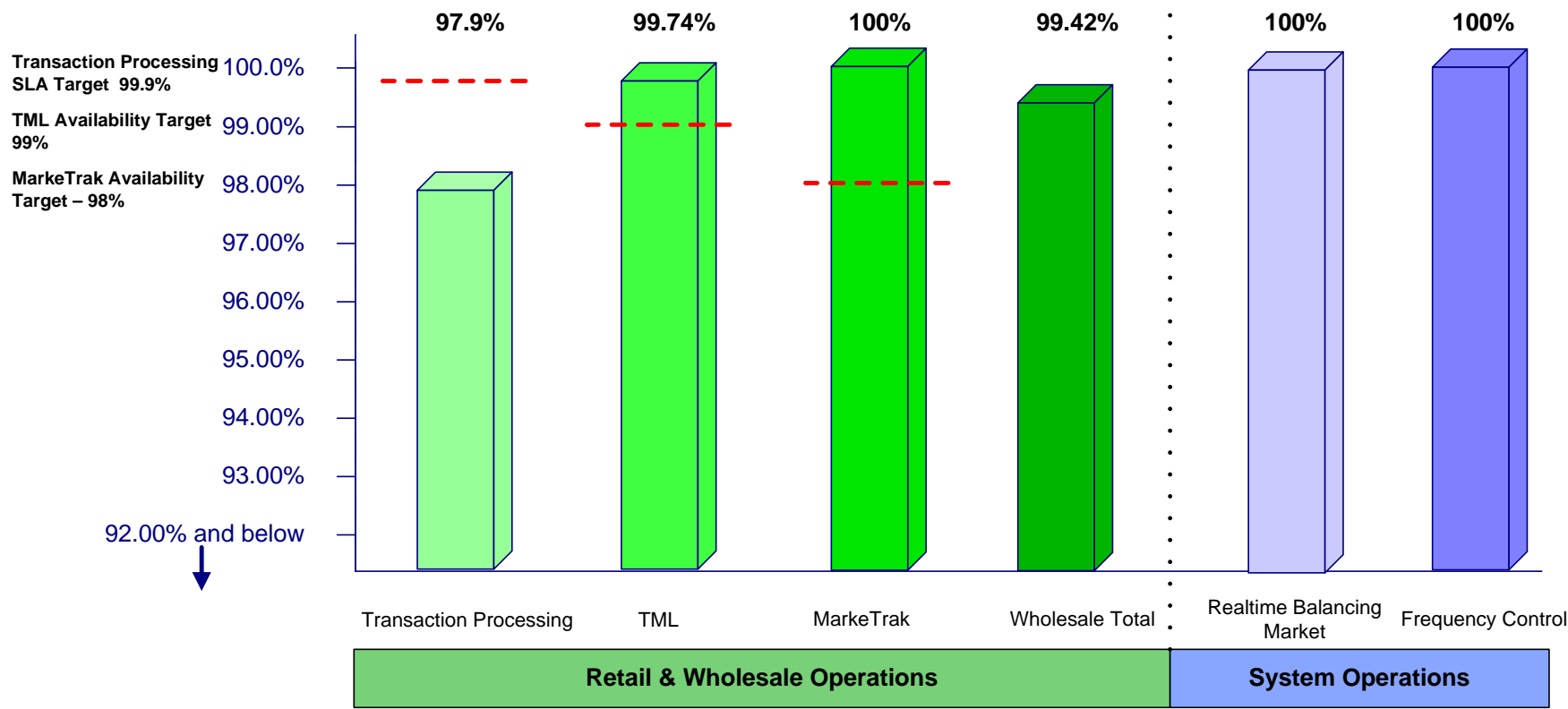
- Real Time Balancing Market
 - Measure of the number of real time balancing market intervals (every 15 minutes) successfully performed
- Frequency Control
 - Measure of the availability of the software that controls frequency

2008 Net Service Availability

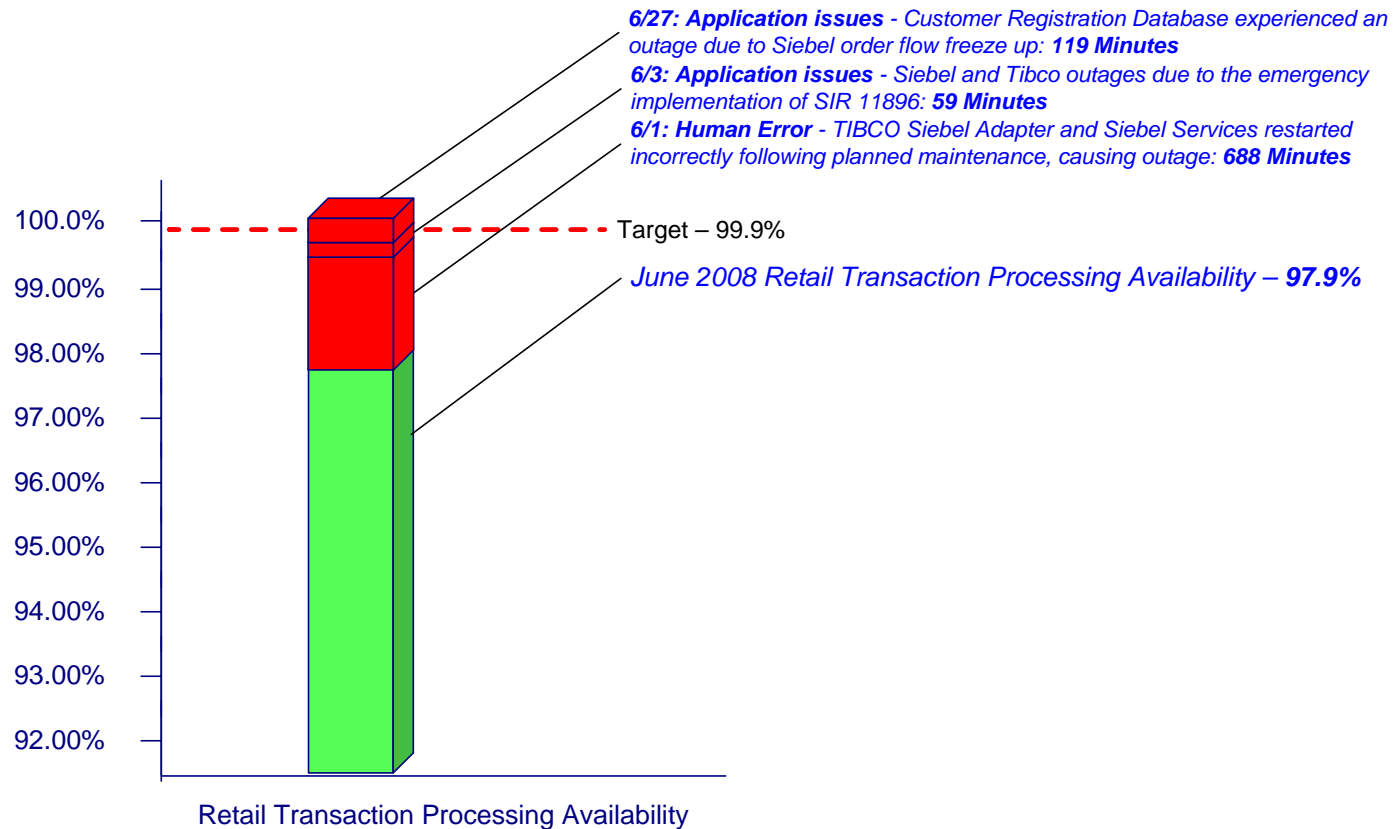
Through June 30, 2008



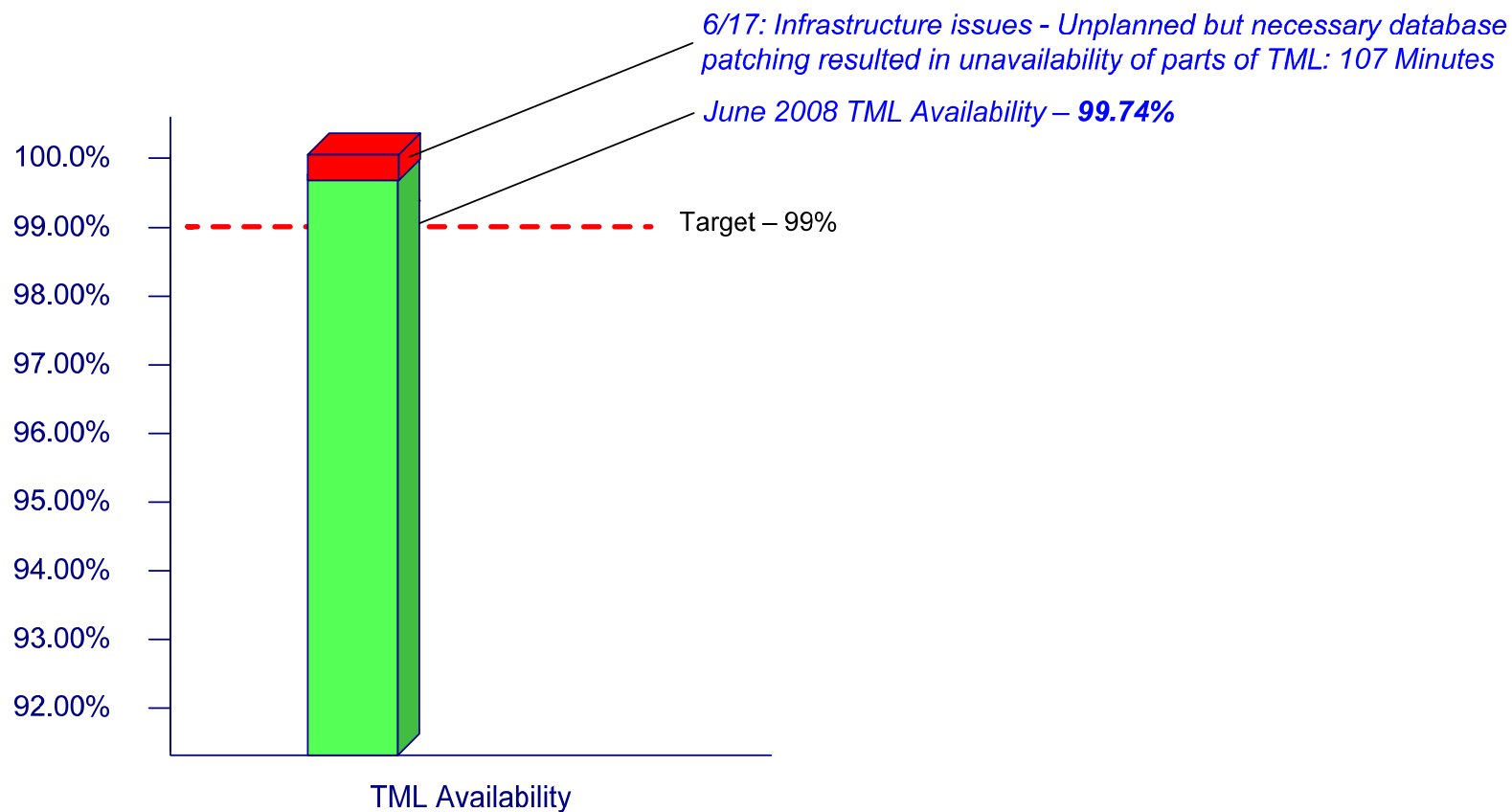
June 2008 Net Service Availability



June 2008 Retail Transaction Processing Availability Summary



June 2008 TML Availability Summary



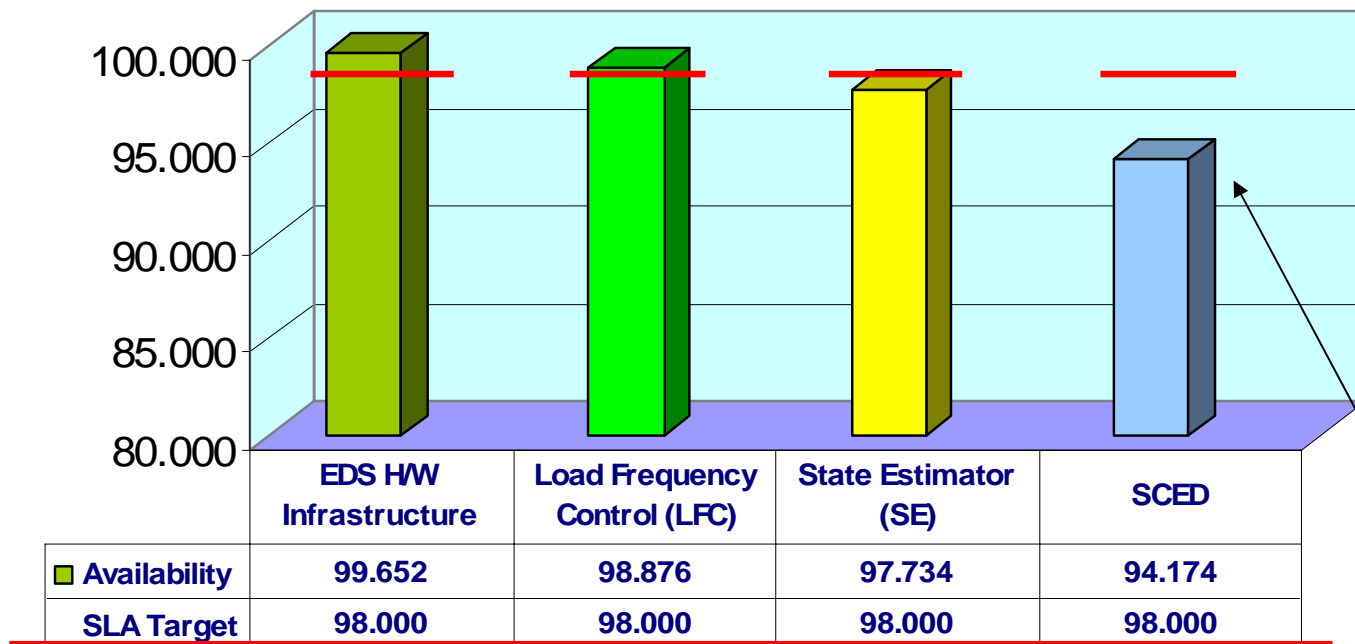
June 2008 MarkeTrak Availability Summary



- **EDS Hardware Infrastructure**
 - Measure of the availability of the systems that compose the “Early Delivery Systems” where Nodal applications are deployed
- **Load Frequency Control (LFC)**
 - Measure of the availability of the software that controls frequency
- **State Estimator**
 - Measure of the availability of the State Estimator software to mathematically confirm the real time power flows
- **Security Constrained Economic Dispatch (SCED)**
 - Measure of the availability SCED application to economically deploy generation

Nodal EDS Environment - June 2008 Net Availability

June 2008 Net Availability



There is a known issue with MMS causing SCED to fail, it will be resolved with a patch from the vendor in a future EDS release