Moyle Interconnector Trading System (MITS)

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- **MITS Audit**
- **Support Arrangements**
- **Enhancements**
- **Wish List**

MITS Audit

- **Commissioned with PWC**
- **Objective – to identify any significant operational or commercial risks associated with the operation of MITS**
- **Scope**
  1. Review of controls over input, processing and output of data & adequacy of audit trails
  2. Security Penetration testing by security experts
  3. Review of SLA between SONI & RTEL

MITS Audit

Main Findings:-

- Levels of security controls deployed to protect the web servers needed increased
- Administration of security and passwords had some weaknesses
- MITS Audit trail required more timely review and any MITS activities outside of the system required to be logged

MITS Audit

Action:- **System Security**

- Session variables stored in the MITS database (instead of in 'cookies' on the client) to prevent user manipulation of session variables
- All user requests validated against sessions in the MITS database to reduce the risk of unauthorised use of the MITS
- Expire sessions that have been inactive for a period

MITS Audit

Action: **System Security**

- **Password changes are now enforced by the system (change required every 90 days)**
- **Capture of tcp/ip login address and user lockout after a number of failed login attempts**
- **User passwords and PINs encrypted on MITS database**
- **Password History maintained**
- **Dictionary of banned passwords maintained**
- **Physical security of server room tightened**

MITS Audit

Action: **Audit Controls**

- **MITS Operational procedures changed to ensure authorisation and logging of MITS database activity**
- **Audit trail logs on MITS checked regularly**
- **A new 'User Change Form' has been drawn up for additions/deletions and changes to users. (This is available on our website www.soni.ltd.uk)**

MITS Audit

Action: **SLA**

- **Backup/Recovery procedures at RTEL updated**
- **Disaster Recovery Plan drawn up by RTEL**
- **Cover of the system outside office hours to be investigated**

Support Arrangements

Current arrangements - SONI have an SLA with RTEL covering office hours. All parties must contact SONI personnel with faults & not RTEL directly.

However, users have a responsibility for ensuring their own continued access to MITS e.g. Maintain their tcp/ip addresses which are registered on the MITS.
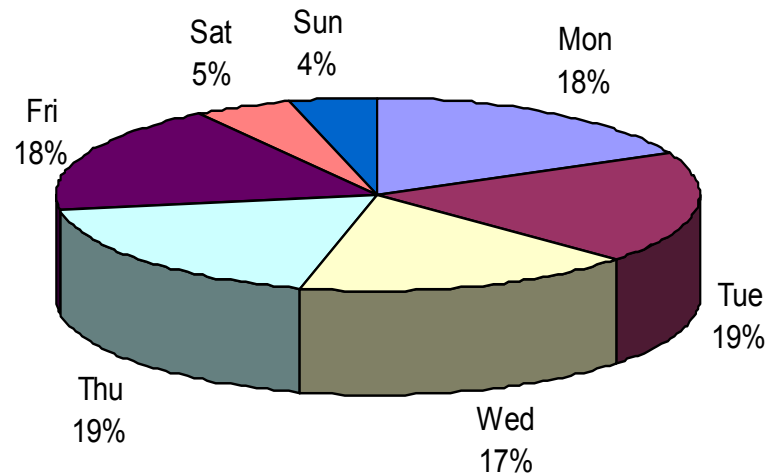
To date fault levels low:-

Emergency Fall-back position - Email nominations only when called upon by SONI
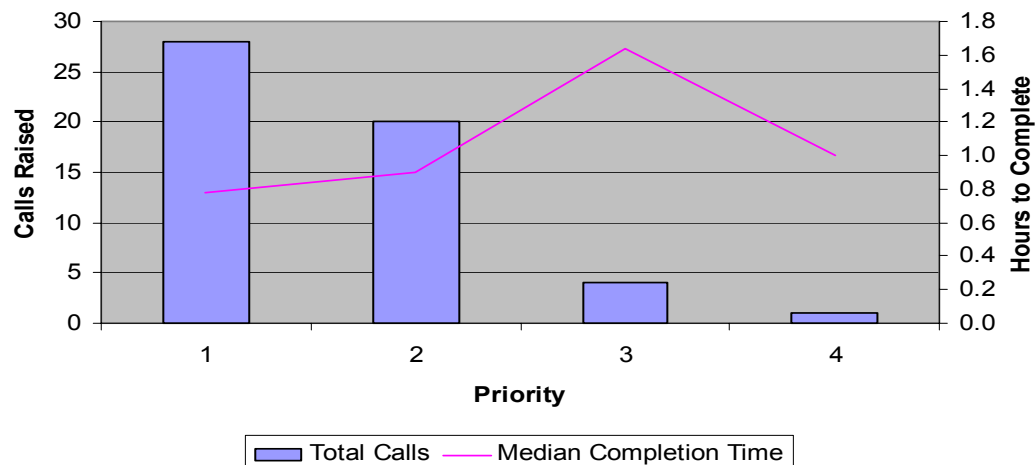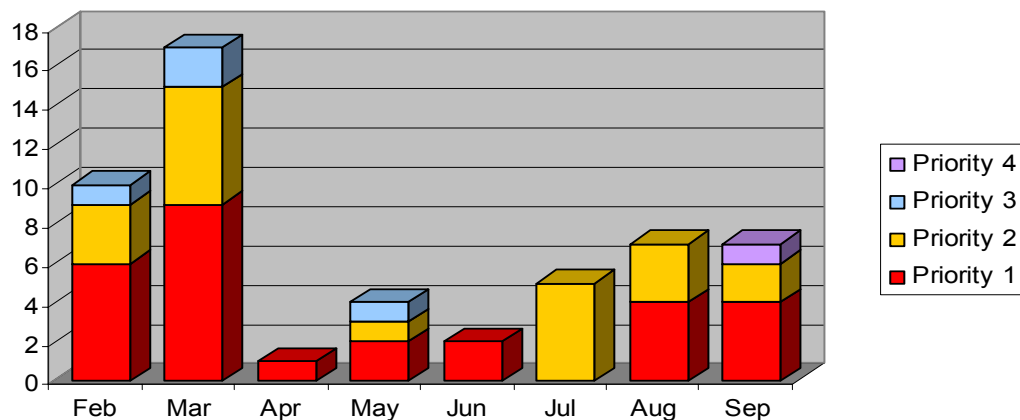
Support Arrangements

Some Statistics…..zzzzzzzzzzzz

Logins By Day of Week

- Sun 4%
- Mon 18%
- Tue 19%
- Wed 17%
- Thu 19%
- Fri 18%
- Sat 5%

Support Arrangements Statistics

Support Calls Raised

Support Arrangements

Options:-

1. Keep current arrangements: weekend and bank holiday nominations should be entered as far in advance as possible.
2. Provide cover 8:00am – 12:00noon for weekends and public holidays – RTEL contract and SONI standby engineer required.
3. Provide 24x7 cover – Support contract is managed by SONI.
4. Upgrade system to be fully redundant

Considerations :-   Costs of MITS changes, RTEL Contract, SONI managed service

Enhancements

1. Security – version installed 04/09/02

2. Next Version to allow:-

- SONI user to set up energy contracts between a MICH and MIU, so that a MICH may have more than one energy contract with a particular MIU.
- Will allow an automatic Email to be sent to all registered MICHs on change of ATC
- Changes to the User Interface

Enhancements

3. **Coming Up next:-**

- **Calculation of actual energy allocations, incorporating ramp rates – export for settlement and display for users**

'Wish List' –

- **Export data to clipboard**
- **Print web page**
- **Import data from client (e.g. import energy noms)**
- **Enter/display Long-term ATC**
- **Provide feedback/contact us facility**
- **Short-term energy trading**
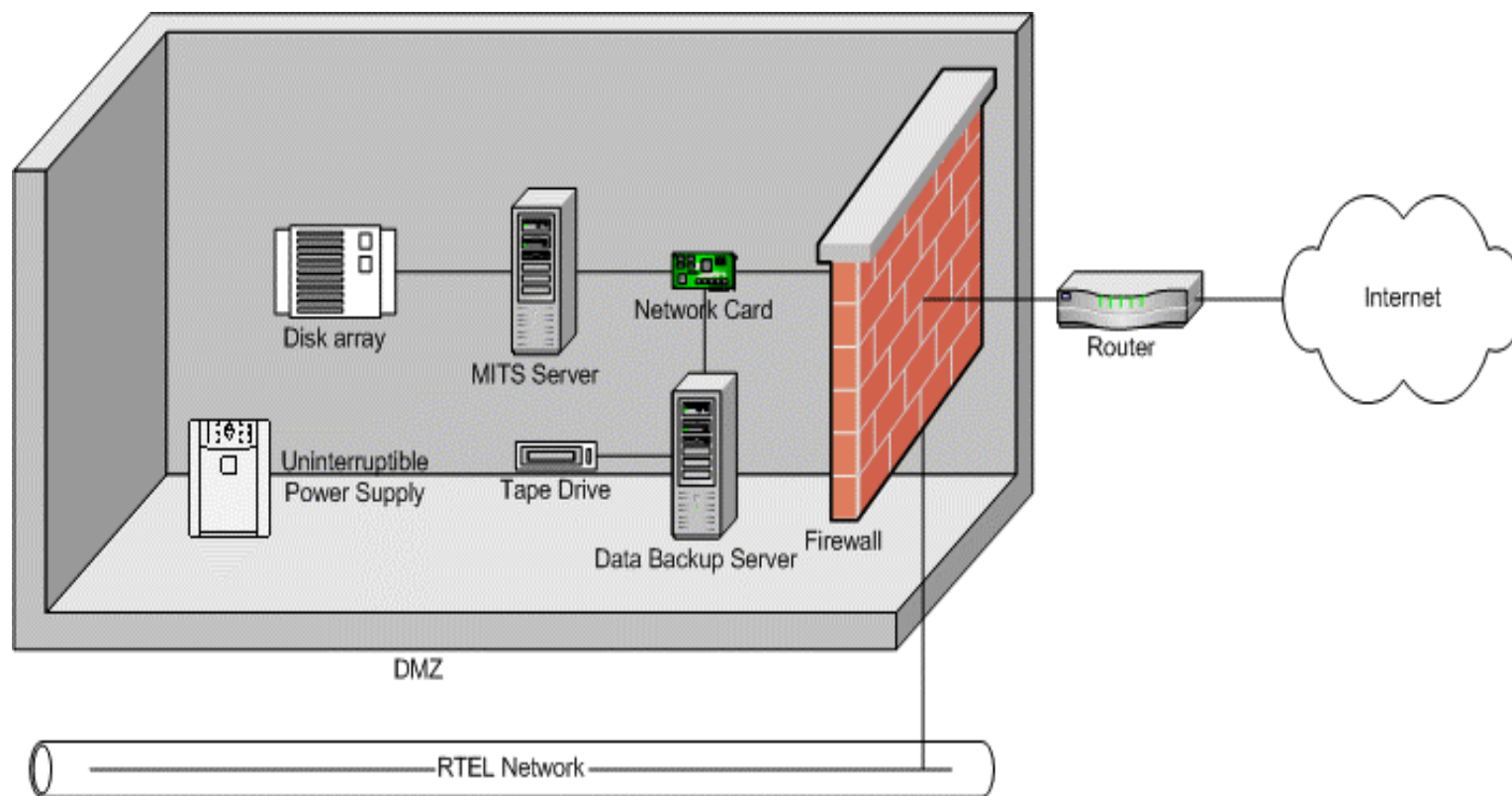- **Integration with N-S trading**

'Wish List' –

- **Export data to clipboard**
- **Print web page**
- **Import data from client (e.g. import energy noms)**
- **Enter/display Long-term ATC Forecast**
- **Provide feedback/contact us facility**
- **Short-term energy trading**
- **Integration with N-S trading**

All forms of payment accepted !

Figure 2.1 - MITS Hardware Infrastructure