Control Millennium Bug in Taiwan Power Company

Chen Wen-Hua
Millennium Bug → Y2K Time Problem

Y2K is a risk management
Government Organisation

Administrative Yuan

Y2K Risk Management Committee

Audit Task Force

Ministry of Economy

Y2K Risk Management Committee

Government Own Utilities Council

Y2K Risk Management Committee

Audit Task Force

Taiwan Power Company

Y2K Risk Management Task Force

Nuclear Power Dept

Y2K Risk Management Task Force

Hydro Fossil

Power flow Dispatching

Transmission and Distribution
Y2K Approach

Readiness

Compliance

You know your systems better than anyone else
Tackling Y2K Methodology

Inventory
  – Listing of all components, systems

Screen
  – Components and systems with digital, microprocessor, computer
  – Date-dependent

Risk Assessment
  – Safety to public, nuclear power plant
  – Potential to operation
  – Potential risk to administration

Remediation
  – Replacement
  – Retire
  – Upgrade
  – Set back to year 1998
  – Test
Tackling Y2K Methodology

Validation
– By test
– Components level
– System level
– Plant level

Contingency Plan

Audit by government
– Internal
– External

Documentation
Audit and Assessment by Government

Each power plant does:

SAQ (Self Assessment questionnaire)
- MIS
- non-MIS
- computer structure
- OA
- Environment
- Research
- up, down stream (supplier0
- products

Ranking risk management (Ranking by time)
- green light (low risk) by Q1.1999
- yellow light (medium risk) by Q2 1999
- red light (high risk) by Q3 1999
## Status of Progress of Y2K Risk Management

<table>
<thead>
<tr>
<th>Category</th>
<th>Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nuclear Power</td>
<td>100% ready</td>
</tr>
<tr>
<td>Fossil and Hydro</td>
<td>85% ready</td>
</tr>
<tr>
<td>Capacity</td>
<td>90% finish</td>
</tr>
<tr>
<td>Winter Demand</td>
<td>70%</td>
</tr>
</tbody>
</table>

**Due Date:** 06.30.1999 (including contingency plan)
Thank You !!

Merci !!