

THE ELECTRICITE DE FRANCE RESPONSE TO THE YEAR 2000 CHALLENGE

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"EDF, in its quest for excellence, wants to go beyond the Year 2000 maintaining the same high level of safety: as much as regards nuclear safety as ensuring the continuity of customer supplies".

OECD - NEA International Workshop, Ottawa, 8-10 February 1999

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The EDF response to the Y2K issue, as regards its double mission, i.e. Nuclear Safety and Safety of the Electrical Power System:

a Defence-in-Depth Strategy

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Phase 1

*Systematic analysis and complete
corrective treatment for all I&C and
computerized plant systems*

- | | |
|--------------------------------------|------------|
| ⇒ analysis | completed |
| ⇒ correction preparation and testing | mid-1999 |
| ⇒ correction implementation | Sept. 1999 |

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Phase 2

Functional risk analysis of plant system assemblies related to:

- ➔ *nuclear safety,*
- ➔ *plant availability,*
- ➔ *house load operation capability,*

redundant with the phase 1 analysis, using a different approach

(Feb. 1999)

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Phase 2 (cont'd)

***Specific risk analysis of General Grid
Breakdown occurrence and consequences***

***(analysis conducted jointly by the EDF NPP
Operations division and Transmission division)***

(May 1999)

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Phase 3

Risk Management Process

- 1. - an organizational or procedural response to identified risks,*
- 2. - prudent operations, according to the "principle of precaution",*
- 3. - Crisis Management Teams at strategic locations for the night of 31 December (NPPs, corporate level, ...)*

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A conclusion ?

it is too early...

*the Year 2000 challenge is (just) one more
challenge in the Nuclear Industry's quest
for excellence !*