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DISASTER RECOVERY AND BUSINESS CONTINUITY

To evaluate the organization's ability to restore services to an agreed level of quality, and the process for developing, communicating and maintaining documented and tested plans for the continuity of business operations and IS processing

DRP / Business Continuity Planning :

- ***Effects of Disaster/Business discontinuity:***
  - ***Inability to maintain customer services***
  - ***Damage to image, reputation or brand***
  - ***Failure to protect the company assets***
  - ***Business control failure***
  - ***Failure to meet legal or regulatory requirements***

- ***Disasters and Other Disruptive Events:***
  - ***Natural Calamities : Earthquake, Floods, Tornados, Severe thunderstorms, and fire***
  - ***Other disruptions: Electric Power, Tele-communication, Natural Gas supply or other delivery services***
  - ***Human Caused reasons : Terrorist attacks, hacker attacks or viruses***

DRP / Business Continuity Planning :

- ***Phases of BCP process:***
  - ***Business Impact Analysis***
  - ***Classification of operations and criticality analysis***
  - ***Development of a business continuity plan and disaster recovery procedures***
  - ***Training and awareness program***
  - ***Testing of Implementation of plan***
  - ***Monitoring***

DRP / Business Continuity Planning :

- ***Recovery Strategies:***

  This is combination of preventive, detective and corrective measures and mostly covers to :

  - ***Remove the threat altogether***
  - ***Minimize the likelihood of occurrence***
  - ***Minimize the effect of occurrence***

- ***Strategies Depends upon***
  - ***The criticality of the business process & Application supporting the business***
  - ***Cost***
  - ***Time required to recover***
  - ***Security***

DRP / Business Continuity Planning :

- ***Recovery Alternatives:***
  - ***Hot Sites***
  - ***Warm Sites***
  - ***Cold Sites***
  - ***Duplicate Information processing facilities***
  - ***Mobile Sites***
  - ***Reciprocal arrangement with other organizations***

DRP / Business Continuity Planning :

- ***Contract with Hot, Warm or Cold sites***
  - ***Configurations***
  - ***Disaster***
  - ***Speed of availability***
  - ***Preference***
  - ***Insurance***
  - ***Usage Period***
  - ***Communications***
  - ***Warranties***
  - ***Audit***
  - ***Testing***
  - ***Reliability***

DRP / Business Continuity Planning :

- ***Development of BCP and DRP***
  - ***Pre-disaster readiness***
  - ***Evacuation procedures***
  - ***Procedure for declaring a disaster***
  - ***Identification of responsibilities in the plan***
  - ***Identification of the persons responsible***
  - ***Identification of contact information***
  - ***Step by step explanation of the recovery option***
  - ***Identification of resources required***
  - ***Step by Step application of the constitution phase***

DRP / Business Continuity Planning :

- ***Organization and assignment of responsibilities:***
  - ***Incident response Team***
  - ***Emergency action team***
  - ***Damage assessment team***
  - ***Emergency Management team***
    - ***Retrieval of Critical data from off site storage***
    - ***Installing and testing system software***
    - ***Hardware arrangements***
    - ***Operating from system recovery site***
    - ***Re-routing network communication traffic***
    - ***Re-establishing the user/system network***
    - ***Transporting users to the recovery sites***
    - ***Reconstructing databases***
    - ***Supply necessary office goods***
    - ***Arranging employees re-location***

Continued….

DRP / Business Continuity Planning :

- ***Organization and assignment of responsibilities: (Continued)***
  - ***Offsite Storage Team***
  - ***Software Team***
  - ***Application Team***
  - ***Incident response Team***
  - ***Security Team***
  - ***Emergency Operations team***
  - ***Network Recovery team***
  - ***Communication team***
  - ***Transportation team***
  - ***User hardware team***
  - ***Data preparation and record team***

Continued

DRP / Business Continuity Planning :

- ***Organization and assignment of responsibilities: (Continued)***
  - ***Administrative support team***
  - ***Supplies Team***
  - ***Salvage Team***
  - ***Relocation Team***
  - ***Coordination Team***
  - ***Legal affair Team***
  - ***Recovery test team***
  - ***Training Team***

DRP / Business Continuity Planning :

- ***Components of BCP***
  - ***Business Continuity Plan BCP)***
  - ***Business Recovery plan (BRP)***
  - ***Continuity of operations plan (COOP)***
  - ***IT contingency Plan***
  - ***Crises Communication plan***
  - ***Incident response plan***
  - ***Disaster Recovery Plan (DRP)***
  - ***Occupant emergency plan (OEP)***
- ***Key Decision making Personnel***

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