



# Digital Asset Assessment with EN

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# Assessment goals

- **Following a review of CERN's cybersecurity risks, an action was agreed at the ED**
  - “All departments to contact the computer security officer with a view to establishing the necessary back-ups to be implemented in order to ensure business continuity in the event of a cyber-attack.”
- **With the new IT operating model definition, the contact point is being updated (Tim responsible for Business Continuity/Disaster Recovery in IT department)**
- **Assessment has been completed by the IT department (118 replies) and BE (136 replies)**
- **Goal is to inventory the critical assets and their backup / restore process maturity**
  - Review resilience to disaster scenarios such as ransomware or human error
  - Not just where IT is managing the backup / restores
  - Includes all critical assets such as PCs with process spreadsheets or public cloud services
  - Restore / rebuilding testing is also in scope
  - Identify impact, risks and areas for further investigations

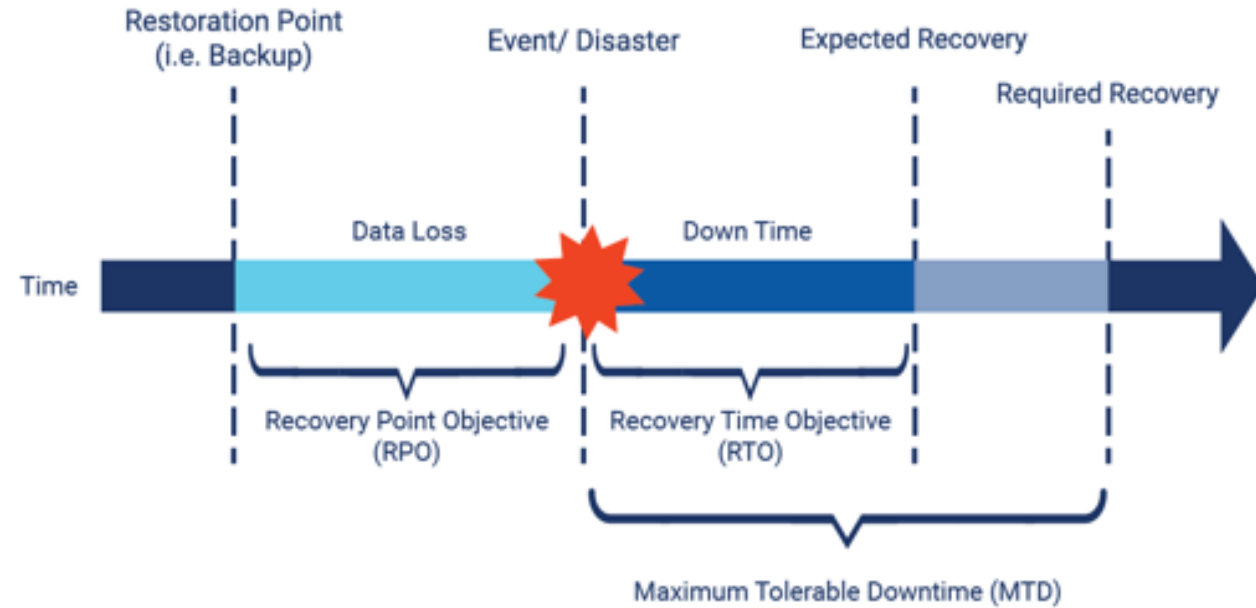
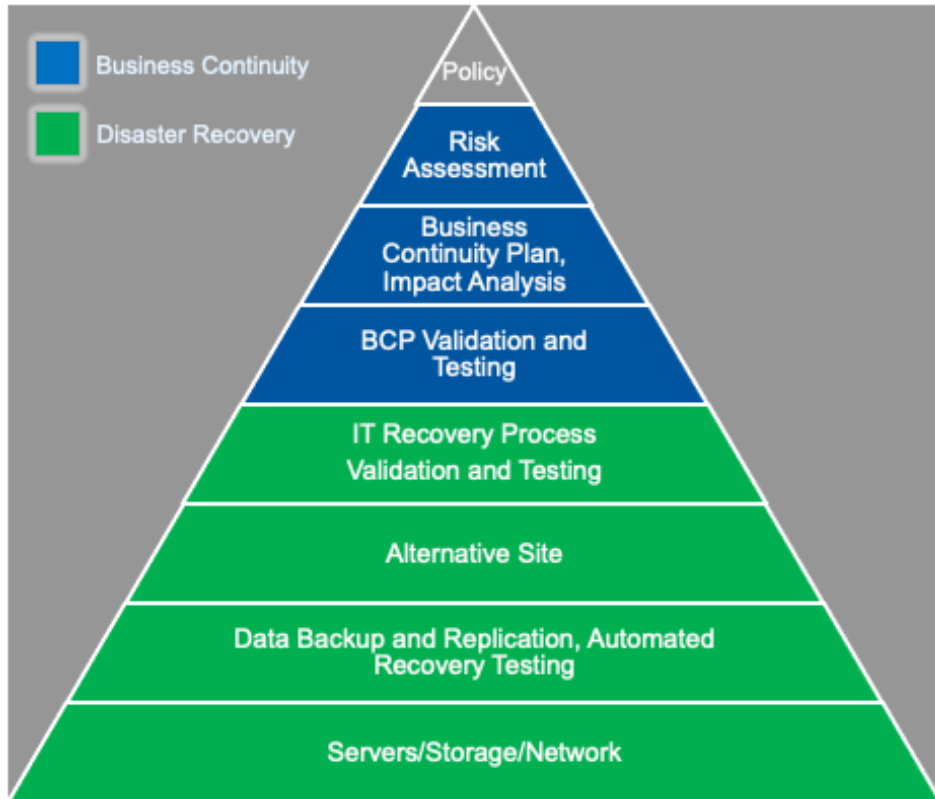
# How to provide input ?

- **Survey site set up at <http://disaster-recovery.web.cern.ch>**
  - Assessments -> Backup / Restore assessment
  - Incorporating IT and BE feedback to improve data entry
- **Simple questionnaire - around 10-20 minutes per application**
  - Entries can refer to the Service-Now catalog so no need to duplicate information already in SNOW
  - For IT managed backups, you can define the IT service looking after it (e.g. databases)
- **If it would be helpful, progress reports can be produced by service now organisation unit**
  - e.g. [https://disaster-recovery.web.cern.ch/service-element-backup-restore-survey-completed-view?field\\_organic\\_unit\\_value=IT-CDA](https://disaster-recovery.web.cern.ch/service-element-backup-restore-survey-completed-view?field_organic_unit_value=IT-CDA)

# Suggested next steps for assessment

- EN nominates a point of contact for the assessment
- Try the survey with some sample cases so we can improve help text and response choices
- Once input is collected, I will review with the EN contact and also IT services where appropriate to clarify the data and make sure there is a consistent understanding
- A report will then be produced with findings and recommendations
- One of the ATS-IT initiatives from the new engagement structure is to address business continuity and disaster recovery. Project leads are being identified in May
  - This would lead to further analysis on risk, impact and mitigations along with a Disaster Recovery Plan for critical applications and processes

# Backup Slides



# ATS-IT SC April Meeting

## Accelerator Data Centre — Disaster Recovery (DR) and Business Continuity (BC)

- **Initiative validated: ATS & IT to work together to produce plan by end 2022**
- **Plan should focus on progressive implementation of DR/BC for ATS**
  - Not a single final big change, but progressive changes
  - In synergy with DR/BC in IT, possibly leveraging IT services and facilities
- **Modern best practices from industry should be evaluated**
  - Including use of facilities and services outside CERN premises



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