



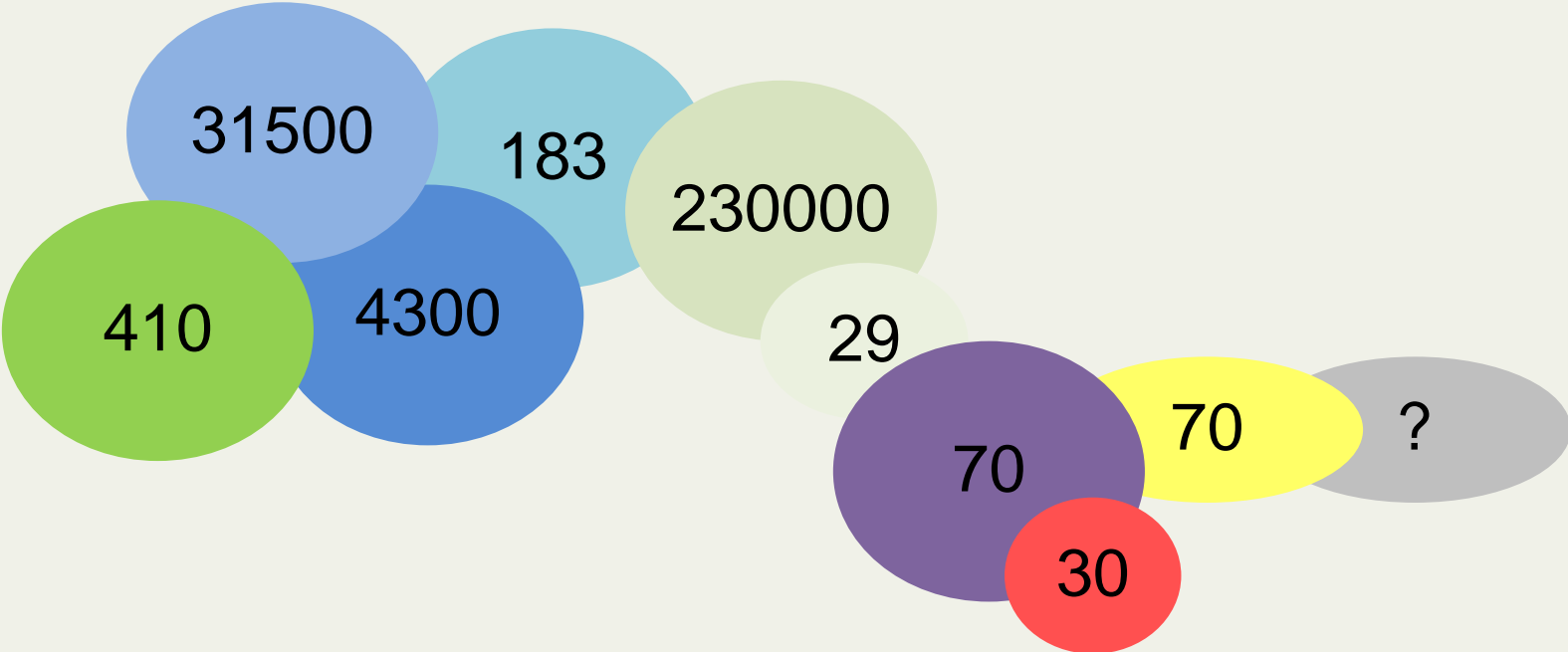
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# The importance of having a disaster recovery planning process

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Umeå University, Sweden



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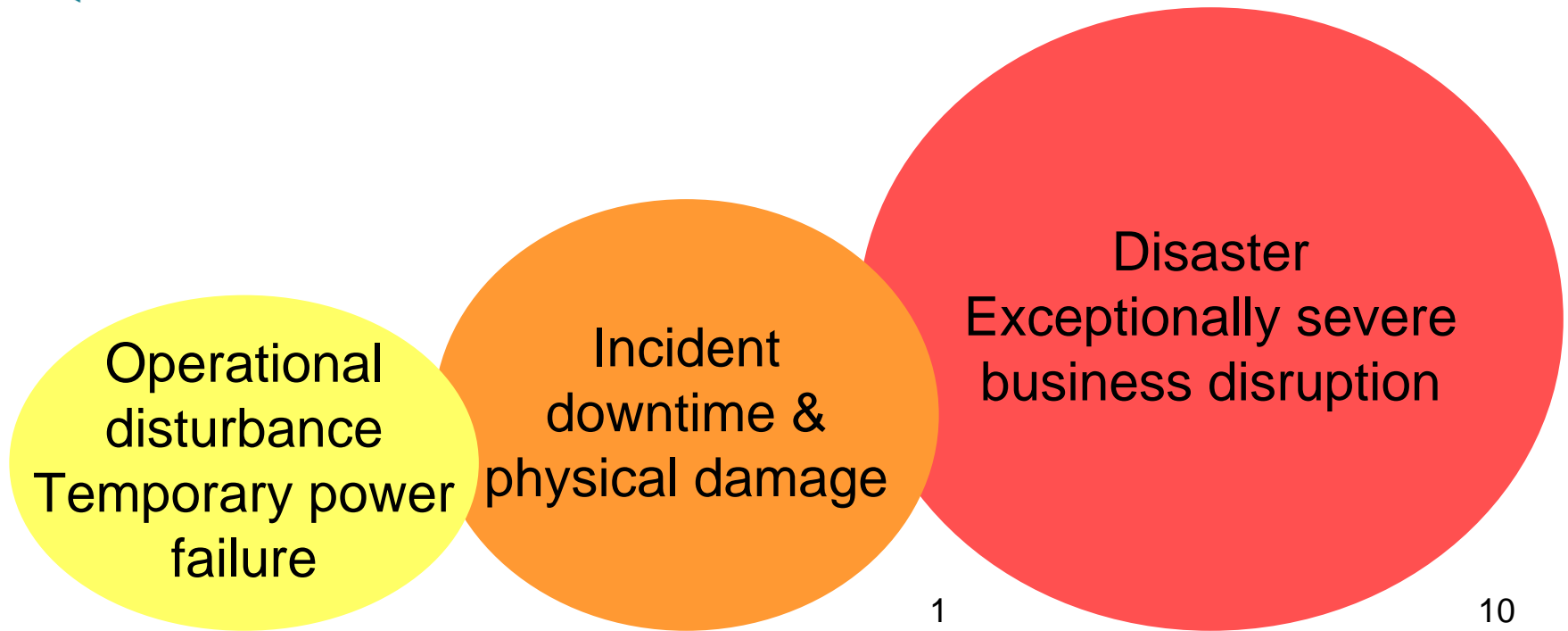
**Emergency mode !!!!!!!**

Our main UPS and our diesel generator broke down in our main IT operation hall



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# Business continuity or Disaster





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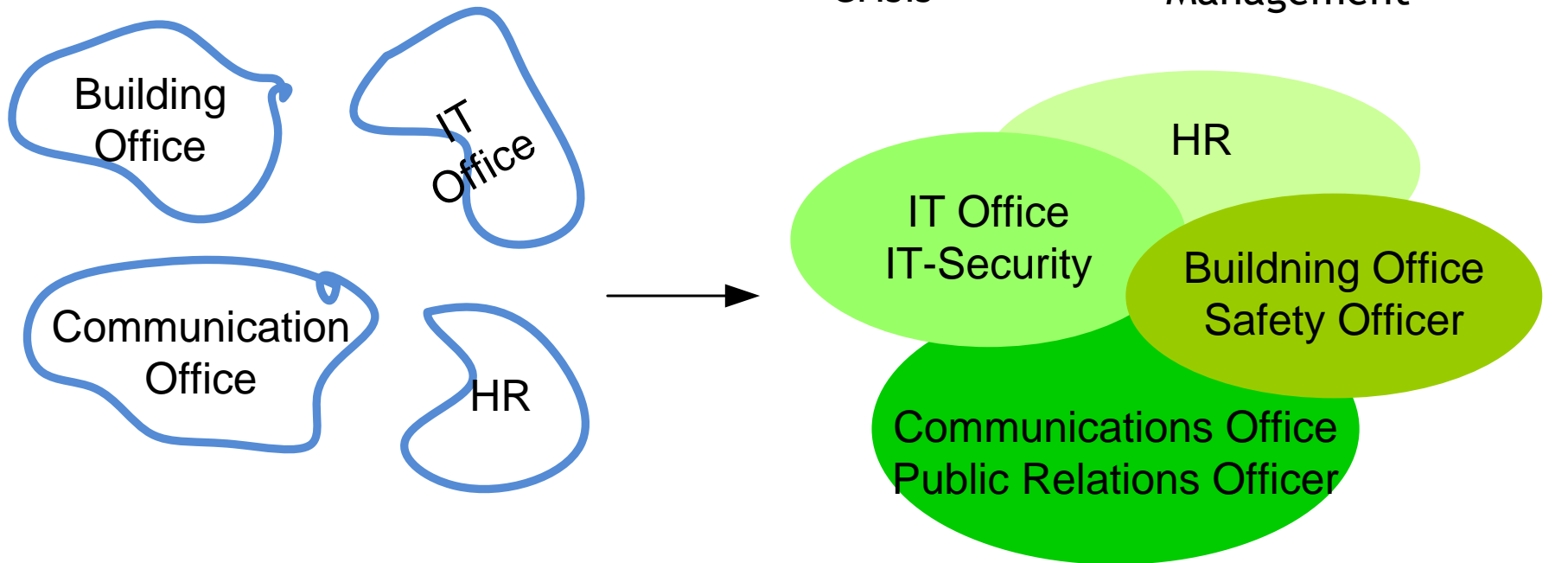
# Are you prepared

are there operation alternatives for key it-systems	no
have you identified all key it-systems	no
is there a list of all services and their order of importance	no
is there an appointed group accountable for coordinating the security work	no
is there an appointed person in charge giving information	no
do you have a disaster recovery plan	no



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# COOPERATE





Level 0

university's central crisis management

Activated with the crisis in accordance with the department's action plan

Activated when a crisis situation requires a decision by Umeå University senior management.

Level 1

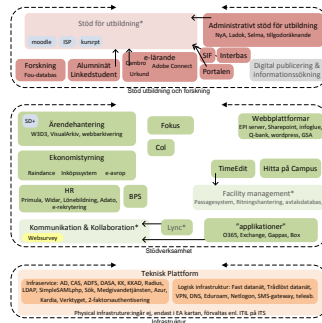
IT security plan  
Disaster group

Disaster folder  
Central IT resources

Disaster recovery plan  
Priority list  
Checklists, logg  
Communicationplan

Level 2

Disaster recovery plan for each application

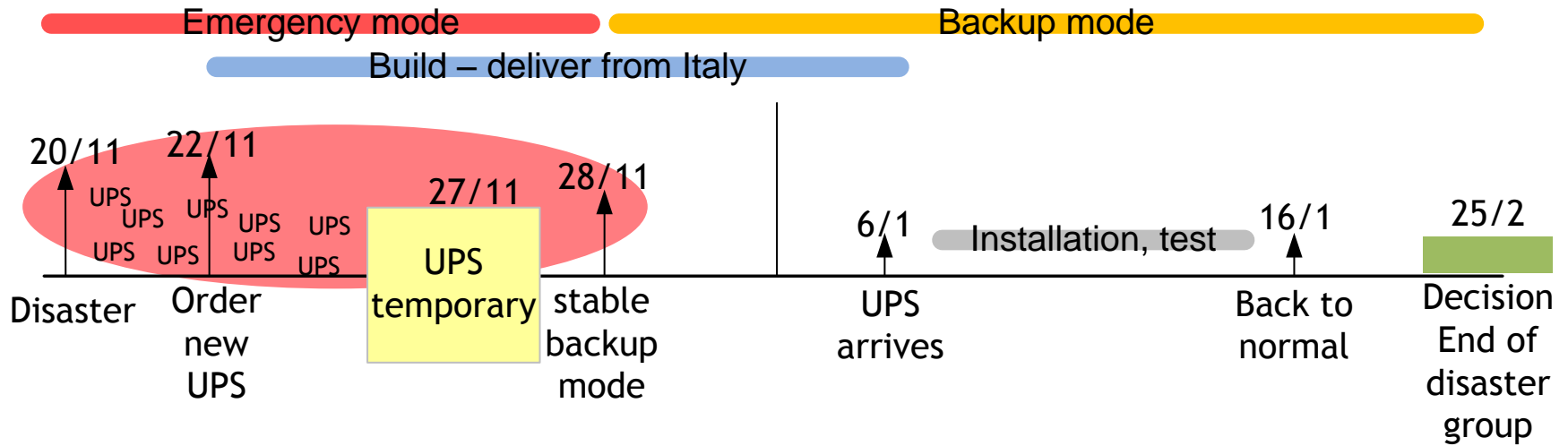


↑  
Service Level Agreement  
Maintenance management plan  
Disaster recovery plan



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# The journey







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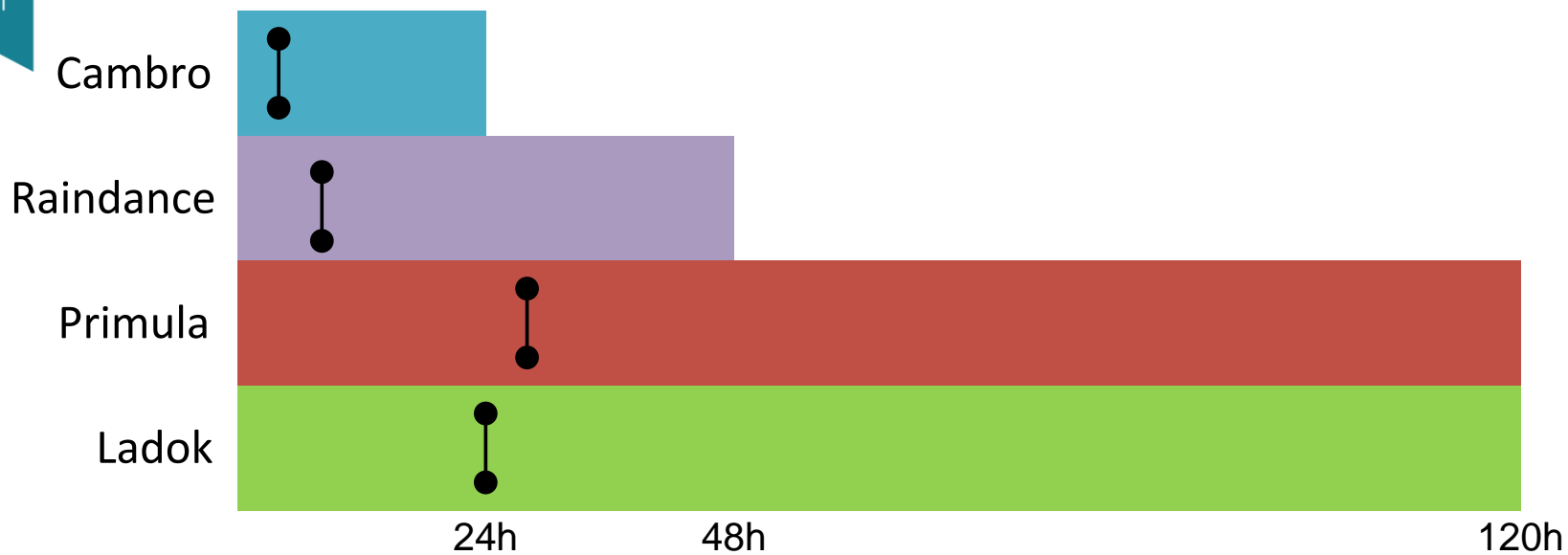
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# Accepted downtime

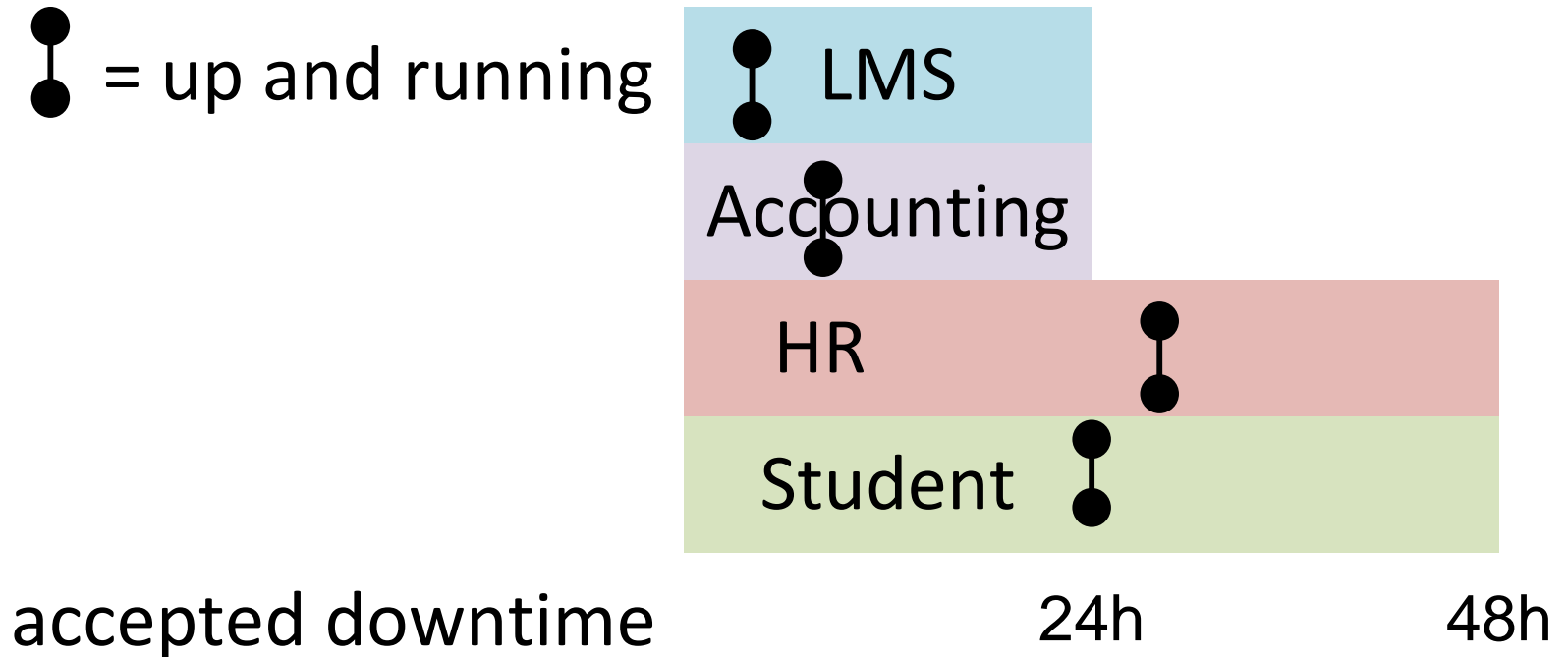




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# Accepted downtime – critical period

 = up and running



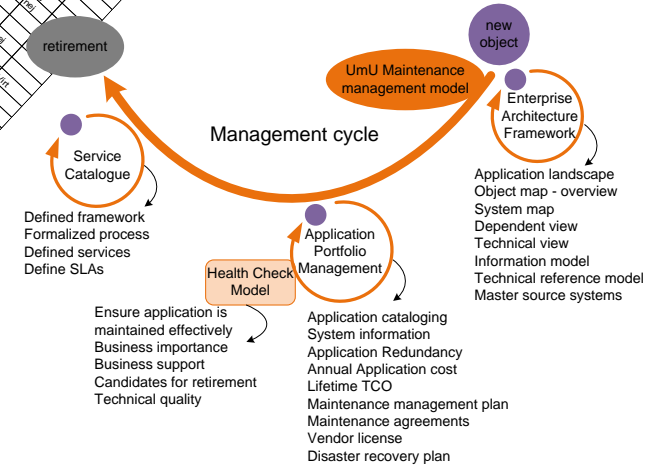
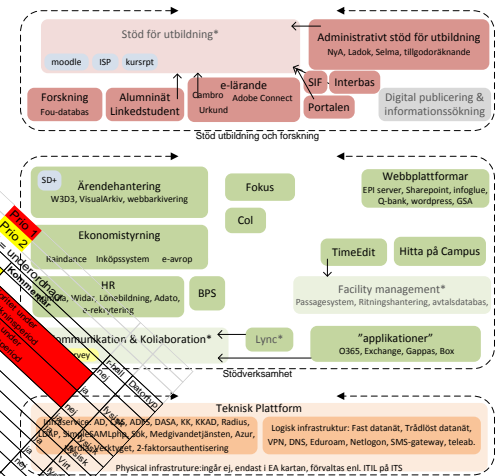


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# What is not documented is not

Disaster Plan for key IT resources

1	Inledning.....	1
2	Reservrutiner.....	2
2.1	Fastställande av servicenivå.....	2
2.2	Utformning av reservrutiner.....	2
2.3	Utbildning, övning och underhåll.....	2
3	Organisation.....	3
3.1	Katastrofgruppen.....	3
3.2	Beslut och ansvar.....	3
3.3	Informations spridning.....	3
3.4	Larm.....	3
3.5	Analys av störningen av brottet.....	3
3.6	Dokumentation.....	3
3.7	Analys.....	3
4	Aktivering av katastrofplanen.....	4
4.1	Beslut om förberedelser av reservdrift.....	4
4.2	Beslut om projektledare för reservdrift.....	4
4.3	Förberedelser för reservdrift.....	4
4.4	Beslut om övergång till reservdrift.....	4
4.5	Reservdrift.....	4
4.6	Återgång till normal drift.....	4
5	Alternativ driftställe.....	5
5.1	Alternativa lokaler och resurser.....	5
5.2	Bilateral överenskommelse.....	5
6	Förutsättningar för katastrofarbetet.....	6
6.1	Säkerhetsarkivering.....	6
6.2	Katastrofplan per it-system.....	6
6.3	Checklistor.....	6
7	Katastrofparmen.....	7
8	Definitioner.....	8
9	Dokument.....	8





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**221 physical servers 357 virtual**  
**“the priority order**  
**is done while at the**  
**sane, not in**  
**connection with**  
**disaster”**



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## **Planning - Practice**

- **Steering and Planning -  
Audit, good examples,  
workshop, practice**
- **Disaster planning -  
priorities and actions**
- **Information -  
communication**
- **Priority list**
- **IT spaces**



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**there is  
always more  
to do**





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# Good practice in reality