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Your Presenters




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Chief of Research, Knowledge
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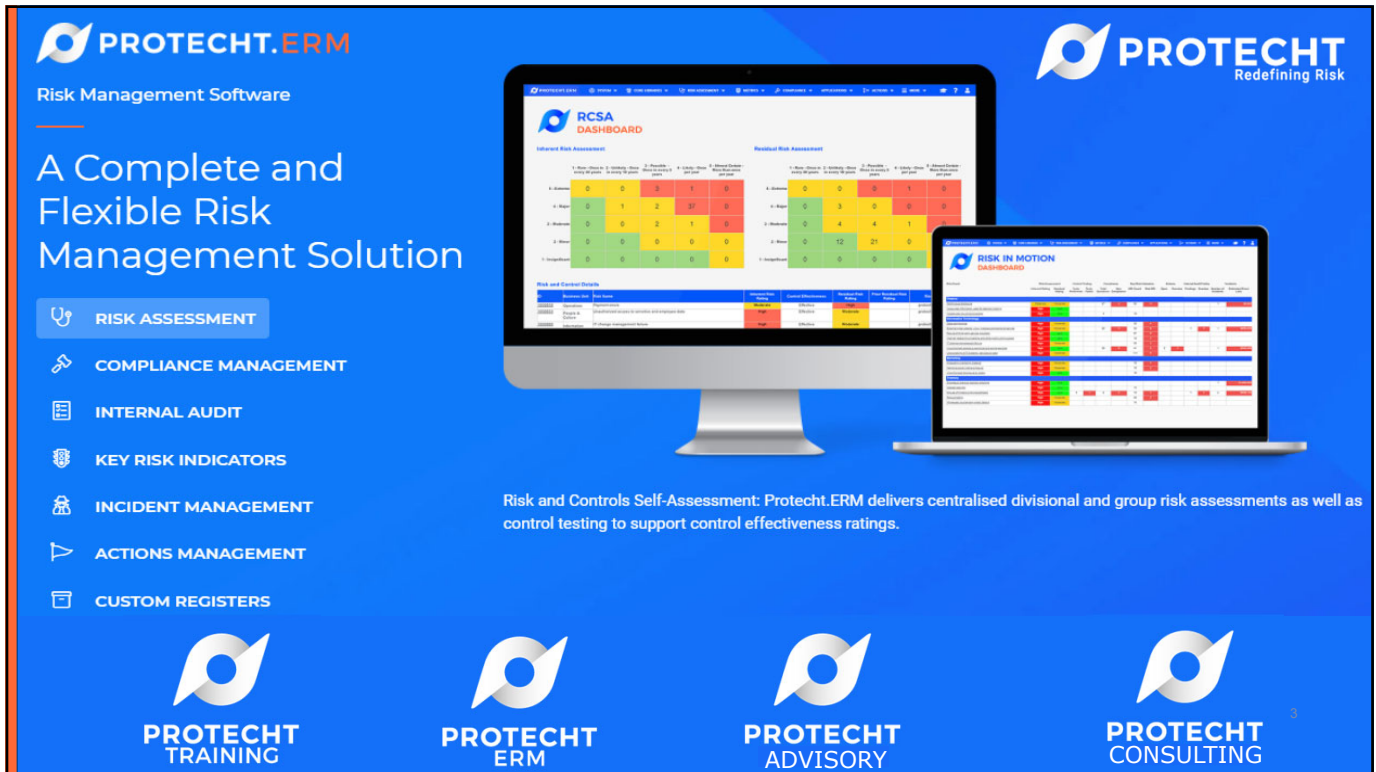
Craig Adams
Managing Director, EMEA



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PROTECHT.ERM
Risk Management Software

A Complete and Flexible Risk Management Solution

- RISK ASSESSMENT
- COMPLIANCE MANAGEMENT
- INTERNAL AUDIT
- KEY RISK INDICATORS
- INCIDENT MANAGEMENT
- ACTIONS MANAGEMENT
- CUSTOM REGISTERS

RCSA DASHBOARD

RISK IN MOTION DASHBOARD


Risk and Controls Self-Assessment: Protecht.ERM delivers centralised divisional and group risk assessments as well as control testing to support control effectiveness ratings.

PROTECHT TRAINING **PROTECHT ERM** **PROTECHT ADVISORY** **PROTECHT CONSULTING**

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Life doesn't get easier or more forgiving,
we get stronger and more resilient.

Steve Maraboli, Life, the Truth, and Being Free



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Agenda

- | | |
|--------------------------------------------------------|----------------------------------------------------------|
| 1 Introduction and Housekeeping | 4 A Resilience Methodology and Framework |
| 2 Operational Resilience – what does it mean? | 5 Delivering an Operational Resilience Solution |
| 3 The Regulatory View | 6 Next Steps and Q&A |

Housekeeping

1. Questions: Ask questions as we go in the question panel.
2. There will be a Q&A session at the end
3. Any questions we don't get to during the webinar we will seek to answer afterwards.
4. Please complete the post webinar feedback questions at the end of the webinar.
5. You will be sent a pdf copy of the slides and a recording of the webinar will be made available to registered participants on our website:

www.protechtgroup.com



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Operational Resilience - Definitions

“the ability of an organisation to absorb and adapt in a changing environment”

ISO 2236 (2017): security and resilience – organizational resilience - principles and attributes

“the ability of a bank to deliver critical operations through disruption”

Basel Committee

A process and a characteristic of an organisation which allows it to:

- adapt rapidly to changing environments and needs
- carry out its mission or business despite the presence of operational stress and disruption.

Technopedia (rephrased)

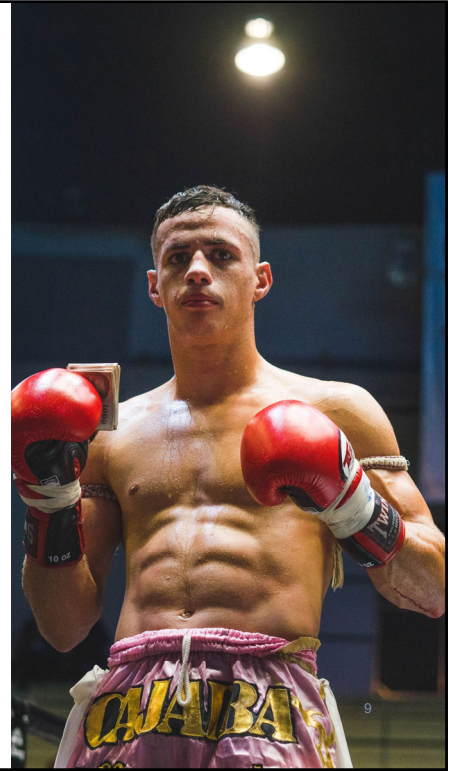


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Operational Resilience – In reality

1. Prevent / reduce the likelihood of shocks on the business. **“Don’t get hit”**
2. Be robust to shocks so as to minimize the impact on the business. **“Don’t falter when you do get hit”**
3. Where shocks lead to impact, to be able to recover quickly and effectively. **“Get up quickly after you have been hit”**
4. Where the shock creates permanent change (the new normal), to be able to quickly and effectively adapt. **“Change process or strategy to be smarter and tougher”**
5. To be able to learn from shock experiences to become more resilient. **“Learn to dodge!”**



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Shocks from what?

- Pandemic / Infectious diseases
- Acts of nature (weather, natural disaster)
- Human made accidents
- Cyber – Data and systems
- Asset shortage (Food, Water)
- Climate Change
- Environmental – Bio Diversity Loss
- Conflicts and weapons
- Information / communication breakdown
- Geo Political
- Social Action
- Space threats - Solar Flares, Asteroids
- “Grey Rhinos and Black Swans”

We will expect firms to have regard to severe but plausible scenarios, but not every possible scenario - FCA

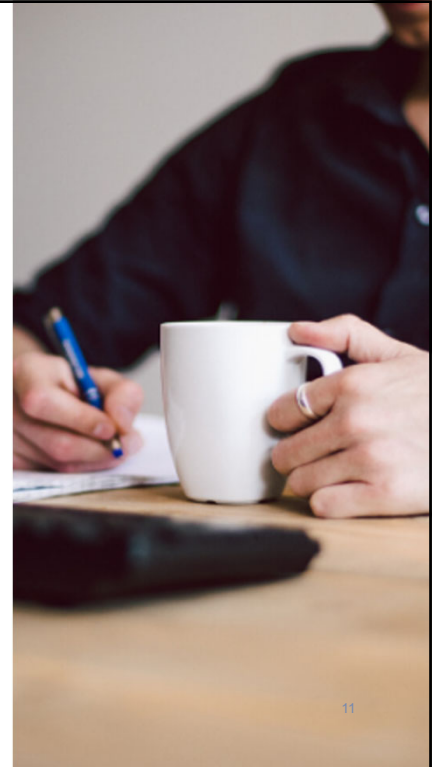


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Polling Question

How do you rate the importance of Operational Resilience for your organisation over the next 12 months?

1. Very High
2. High
3. Moderate
4. Low
5. Very Low / Non Existent



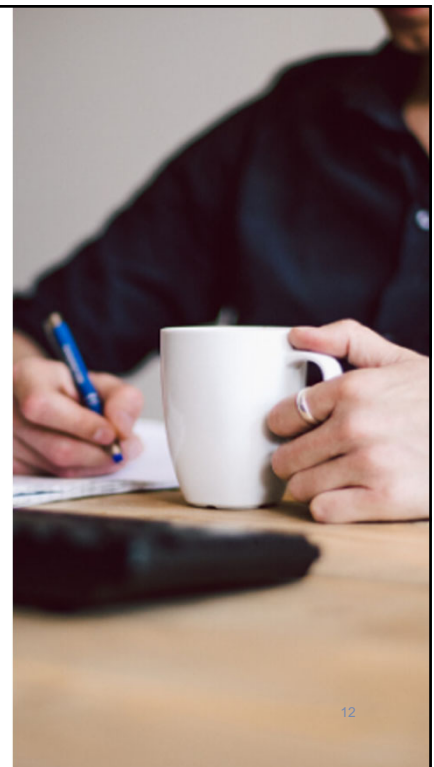
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Polling Question

What is the main driver for Operational Resilience in your organisation? (multi select)

1. Regulatory Pressure
2. COVID-19 Response
3. Industry / Market expectation
4. Good Risk Management
5. Value Creation



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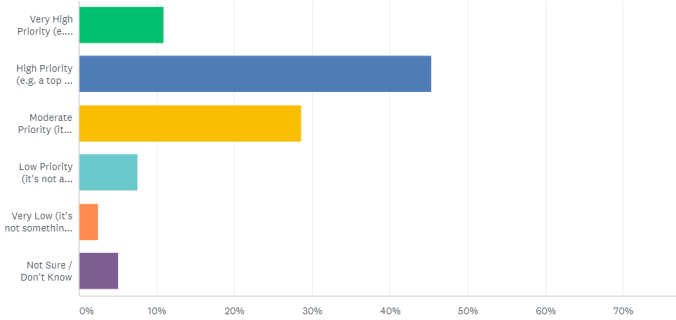
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**Operational Resilience
Survey – April / May 2021**



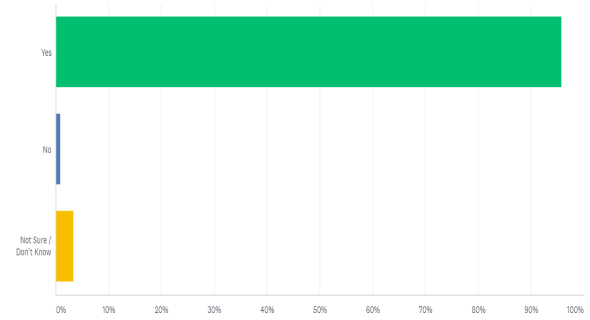
How do you rate the priority of Operational Resilience for your organisation over the next 12 months?

Answered: 119 Skipped: 23



In your personal view, should Operational Resilience be important for your organisation?

Answered: 119 Skipped: 23



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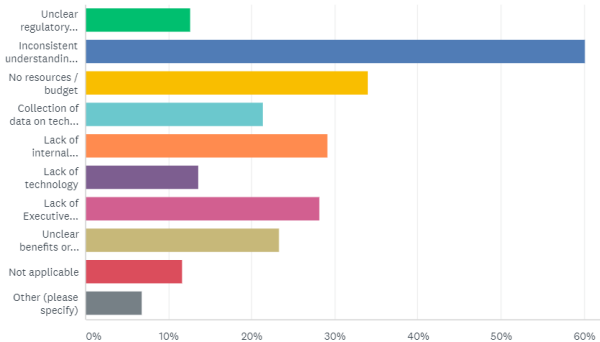
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**Operational Resilience
Survey – April / May 2021**



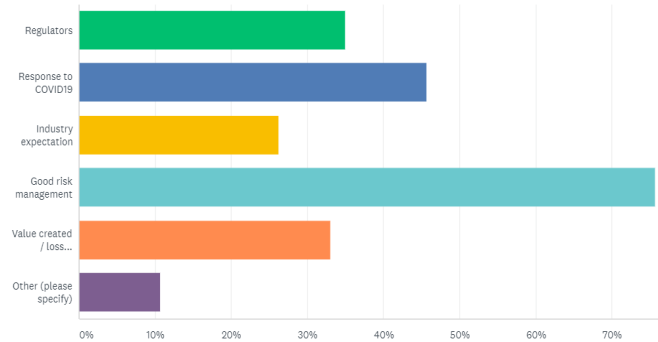
What challenges do you face, in your implementation of Operational Resilience?

Answered: 103 Skipped: 39



What are the main drivers of Operational Resilience for your organisation?

Answered: 103 Skipped: 39



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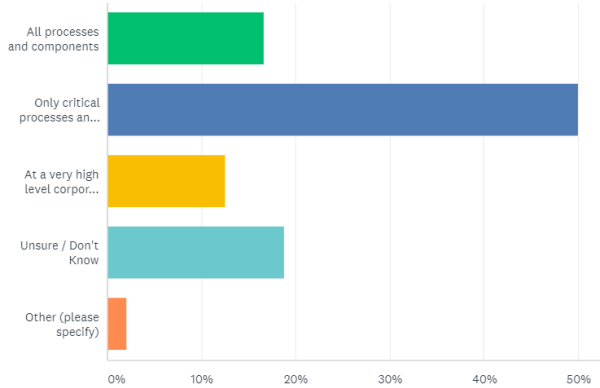
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**Operational Resilience
Survey – April / May 2021**



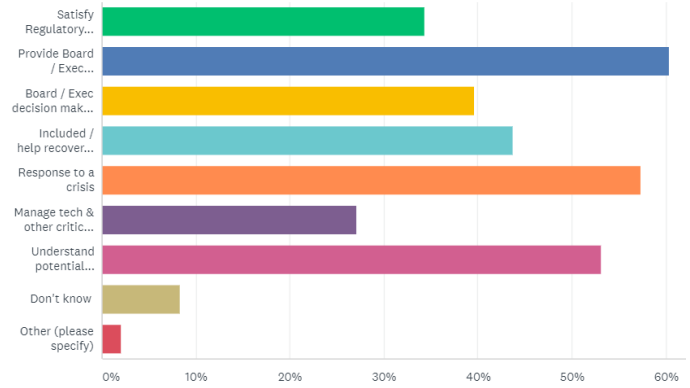
What level of detail will Operational Resilience be applied?

Answered: 96 Skipped: 46



How do you see your organisation use Operational Resilience outputs?

Answered: 96 Skipped: 46



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Regulatory Stance

1. Basel: Principles of Operational Resilience – March 2021

Basel Committee on Banking Supervision

Principle 1 Governance

Principle 2 Operational Risk Management

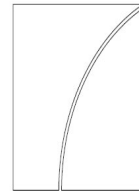
Principle 3 Business Continuity Planning and Testing

Principle 4 Mapping interconnections and interdependencies

Principle 5 Third-Party Dependencies Management

Principle 6 Incident Management

Principle 7 ICT including Cyber Security



Principles for Operational Resilience

March 2021

Regulatory Stance

1. Basel: Principles of Operational Resilience – March 2021

2. PRA (BoE): Operational Resilience – Statement of Policy – March 2021

- 1. Governance;
- 2. Operational risk management;
- 3. Business continuity planning (BCP); and
- 4. The management of outsourced relationships.



Publication 

Statement of Policy
Operational resilience
March 2021




PRA

| | | | | | |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|----------------------------------------|-------------------------------------------------------------------|-----------------------------|-------------|
| Strategic Outcomes | Identify important business services | Set impact tolerances | Firm must ensure they are able to remain within impact tolerances | | |
| <div style="display: flex; align-items: center; justify-content: center;"> ← → </div> <p style="margin: 0;">Governance and self-assessment</p> | | | | | |
| Supporting Requirements | Map inputs for delivery | Test ability to meet impact tolerances | Business continuity | Operational risk management | Outsourcing |

The framework of: identifying important business services; setting impact tolerances; and taking actions to be able to remain within impact tolerances set the strategic direction that the PRA expect firms to take. To achieve the strategy, firms must:

- map resources;
- test their ability to remain within impact tolerances;
- implement BCP requirements;
- implement operational risk management requirements; and
- implement outsourcing requirements.

Governance is an inherent part of each of the above elements, and self-assessment looks at how all of these elements combine to build the resilience of a firm.



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PRA - Operational Resilience

1. Prevent disruption occurring to the extent practicable
2. Adapt systems and processes to continue to provide services and functions in the event of an incident
3. Return to normal running promptly when a disruption is over; and
4. Learn and evolve from both incidents and near misses.

PRA “Operational Resilience” March 2021





Regulatory Stance

1. **Basel:** Principles of Operational Resilience – March 2021
2. **PRA (BoE):** Operational Resilience – Statement of Policy – March 2021
3. **FCA:** CP19/32 Building Operational Resilience

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FCA

- identify their **important business services** that if disrupted could cause harm to consumers or market integrity
- identify and document the **people, processes, technology, facilities and information** that support a firm's important business services (mapping)
- set **impact tolerances** for each important business service (i.e. thresholds for maximum tolerable disruption)
- test their **ability to remain within their impact tolerances** through a range of severe but plausible disruption scenarios
- conduct **lessons learned exercises** to identify, prioritise and invest in their ability to respond and recover from disruptions as effectively as possible
- develop internal and external **communications plans** for when important business services are disrupted
- create a **self-assessment** document

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Regulatory Stance - Globally

Regulators will follow the lead of Basel and PRA

- ECB and FED have formally agreed to work together with PRA
- For an APAC perspective, APRA are reviewing the existing resilience based standards (BCP / Outsourcing)

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3 | The Regulatory View

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6 | Next Steps and Q&A

Objectives

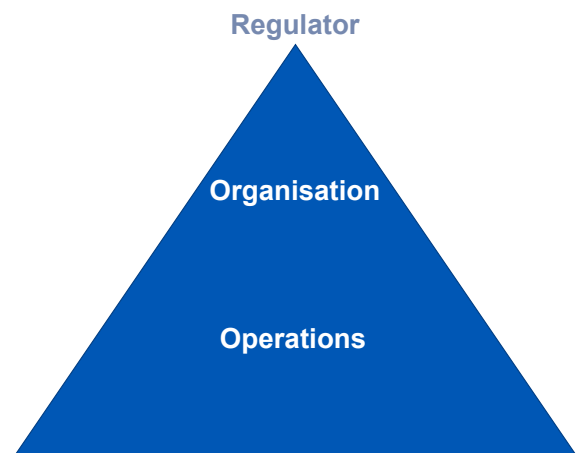
1. Continue to deliver critical operations through disruption
2. Absorb and adapt in a changing environment
3. Carry out its mission or business despite the presence of operational stress and disruption.



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Objectives levels of Operation Resilience

1. **Regulator Focus:** Be able to deliver service to customers under severe stress conditions and maintain market integrity
2. **Organisational Focus:** Be able to deliver outcomes to all stakeholders under severe stress conditions
3. **Operations Focus:** Be able to deliver key objectives under severe stress conditions



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Specific outputs of Operational Resilience

1. Identify single points of failure and vulnerabilities (Critical Asset, No plan B etc)
2. Assess adequacy of Preventive controls to prevent disruption
3. Assess adequacy of Reactive Controls to be able to return to normal ASAP
4. Assess adequacy of Capital to absorb financial impacts
5. Assess ability of business to pivot and adapt
6. Provide assurance to external and internal parties on resilience levels

“To be the best prepared as possible for what life may throw at you”

Key Components

1. Define critical deliverables and critical stakeholders. e.g. Customer critical service delivery.
2. Define critical operating model required to deliver “critical deliverables”:
 - Important Business Services
 - End-to-end process Maps
 - Value Chains
 - Third parties
 - Critical assets

“identify and document resources required to deliver each of their important business services and to identify the resources that are critical to delivering a service” **Source PRA**
3. Define impact tolerances for each deliverable – what level of impact is OK?
4. Define and map range of impact scenarios
5. Identify, assess and map risks and controls to the operating model mapped to each scenario as a root cause

Key Components

6. Link existing “reactive” controls to the process and scenarios (DRP, Recovery Plans, Contingency Plans, Major incident response)
7. Link existing risk management processes (RCSA, Stress Testing, ICAAP, KRIs etc)
8. Run scenarios at Resource / Asset (loss of) level and Scenario level. Assess results against impact tolerances
9. Report
10. Governance
11. Build as a repeatable process – part of your ERM / GRC system.

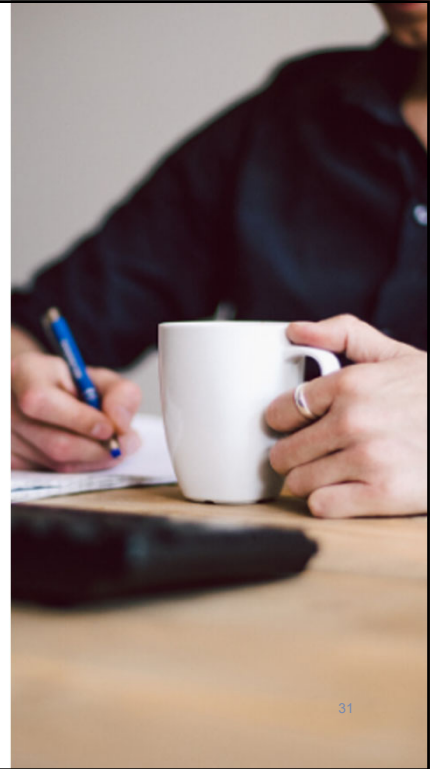
Impact Tolerances

1. Maximum disruption before the service delivery is materially impacted
2. Maybe measured in terms of:
 - Maximum tolerable disruption
 - Period of outage (Maximum Allowable Outage)
 - Recovery time (Recovery Time Objective)
 - Number of customers impacted
 - Size of impact
 - Other
3. Consider linking to risk assessment impact scales

Polling Question

How clear is your organisation on your Operational Resilience methodology and what is required to deliver?

1. Very clear
2. Fairly clear
3. Fairly unclear
4. Very unclear
5. We have no idea yet!



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Process / Service Mapping

“identify and document **resources** required to deliver each of their important business services and to identify the resources that are critical to delivering a service” PRA

“Resources”

- People
- Processes
- Technology
- Facilities
- Information

Getting to work

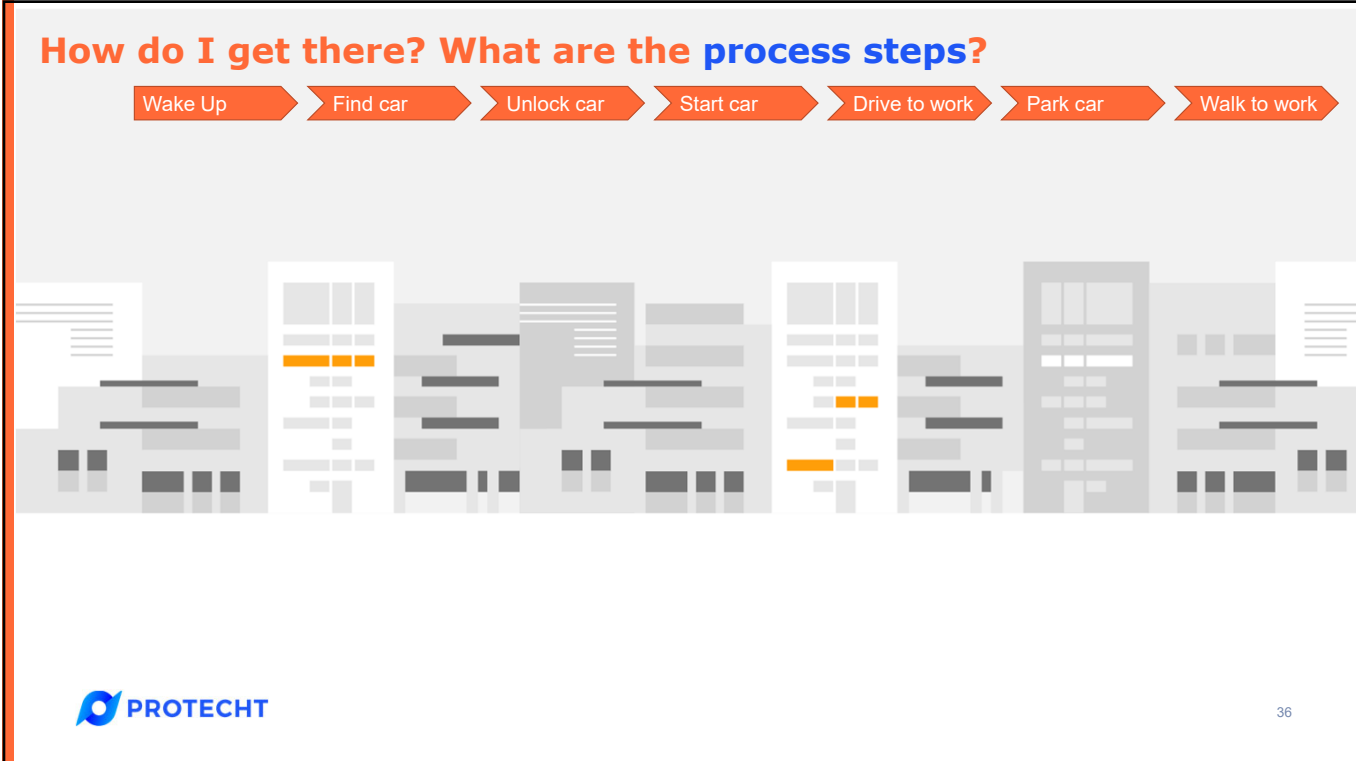


Asleep —————> Arrive at work


Objective: To get to work on time by 9 am

Impact Tolerance: 2 hours

How do I get there? What are the process steps?



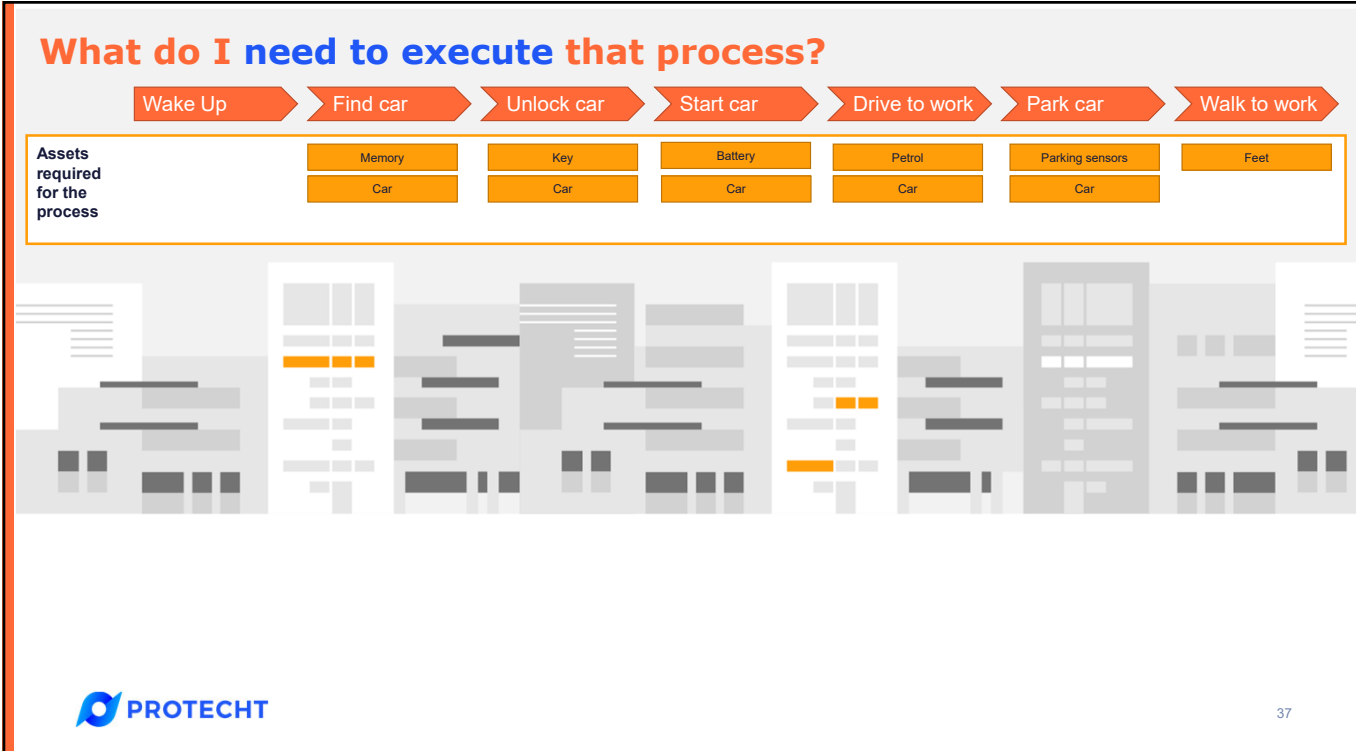
Wake Up → Find car → Unlock car → Start car → Drive to work → Park car → Walk to work



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What do I need to execute that process?



Wake Up → Find car → Unlock car → Start car → Drive to work → Park car → Walk to work

| | | | | | | |
|---------------------------------|--------|-----|---------|--------|-----------------|------|
| Assets required for the process | Memory | Key | Battery | Petrol | Parking sensors | Feet |
| | Car | Car | Car | Car | Car | |



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What could go wrong in the process?

| | | | | | | | |
|---------------------------------|-----------|---------------|------------|--------------------|--------------------|----------------|--------------|
| | Wake Up | Find car | Unlock car | Start car | Drive to work | Park car | Walk to work |
| Assets required for the process | Memory | Key | Battery | Petrol | Parking sensors | Feet | |
| | Car | Car | Car | Car | Car | | |
| Risks | Oversleep | Car not there | No key | Mechanical failure | Mechanical failure | Carpark full | Trip |
| | | | Key broken | | Accident | Carpark closed | |

PROTECHT 38

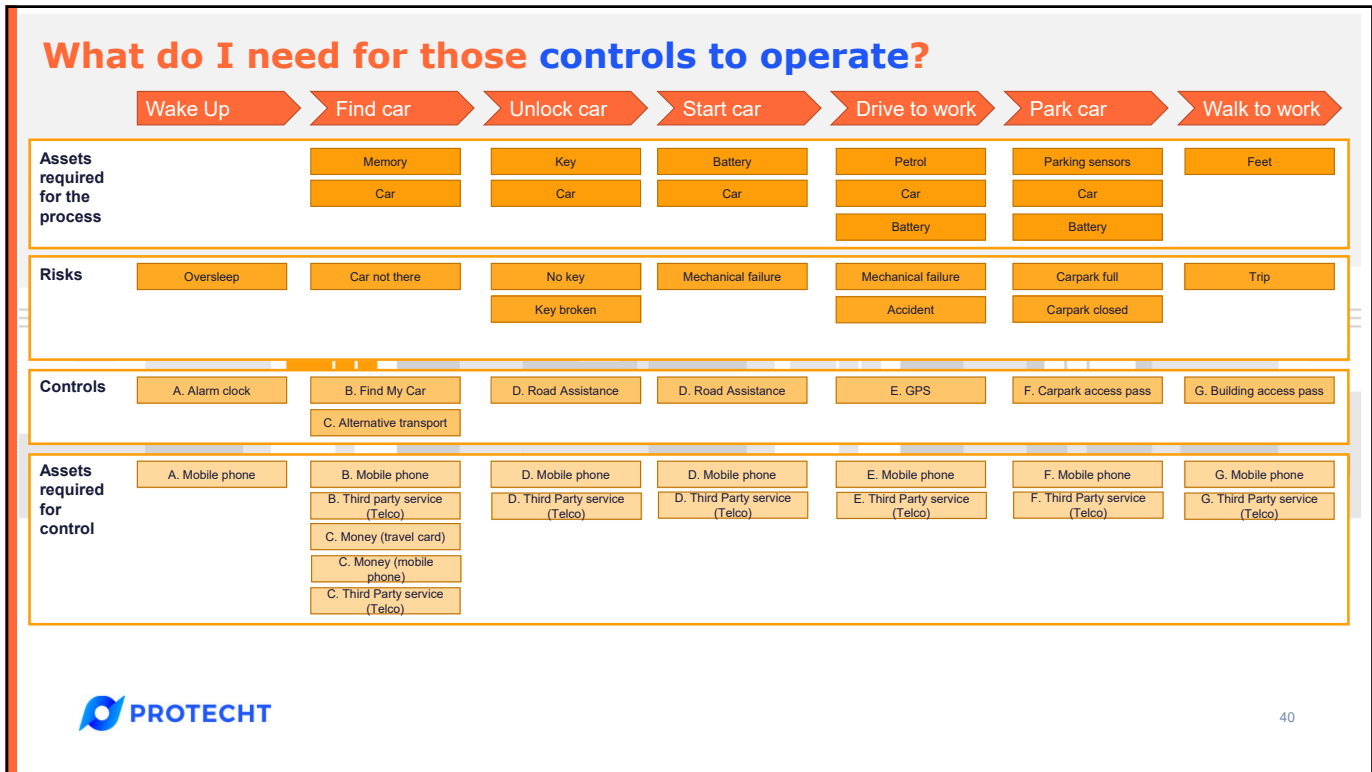
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How do I mitigate those risks?


| | | | | | | | |
|---------------------------------|----------------|--------------------------|------------|--------------------|--------------------|------------------------|-------------------------|
| | Wake Up | Find car | Unlock car | Start car | Drive to work | Park car | Walk to work |
| Assets required for the process | Memory | Key | Battery | Petrol | Parking sensors | Feet | |
| | Car | Car | Car | Car | Car | | |
| Risks | Oversleep | Car not there | No key | Mechanical failure | Mechanical failure | Carpark full | Trip |
| | | | Key broken | | Accident | Carpark closed | |
| Controls | A. Alarm clock | B. Find My Car | D. NRMA | D. NRMA | E. GPS | F. Carpark access pass | G. Building access pass |
| | | C. Alternative transport | | | | | |

PROTECHT 39

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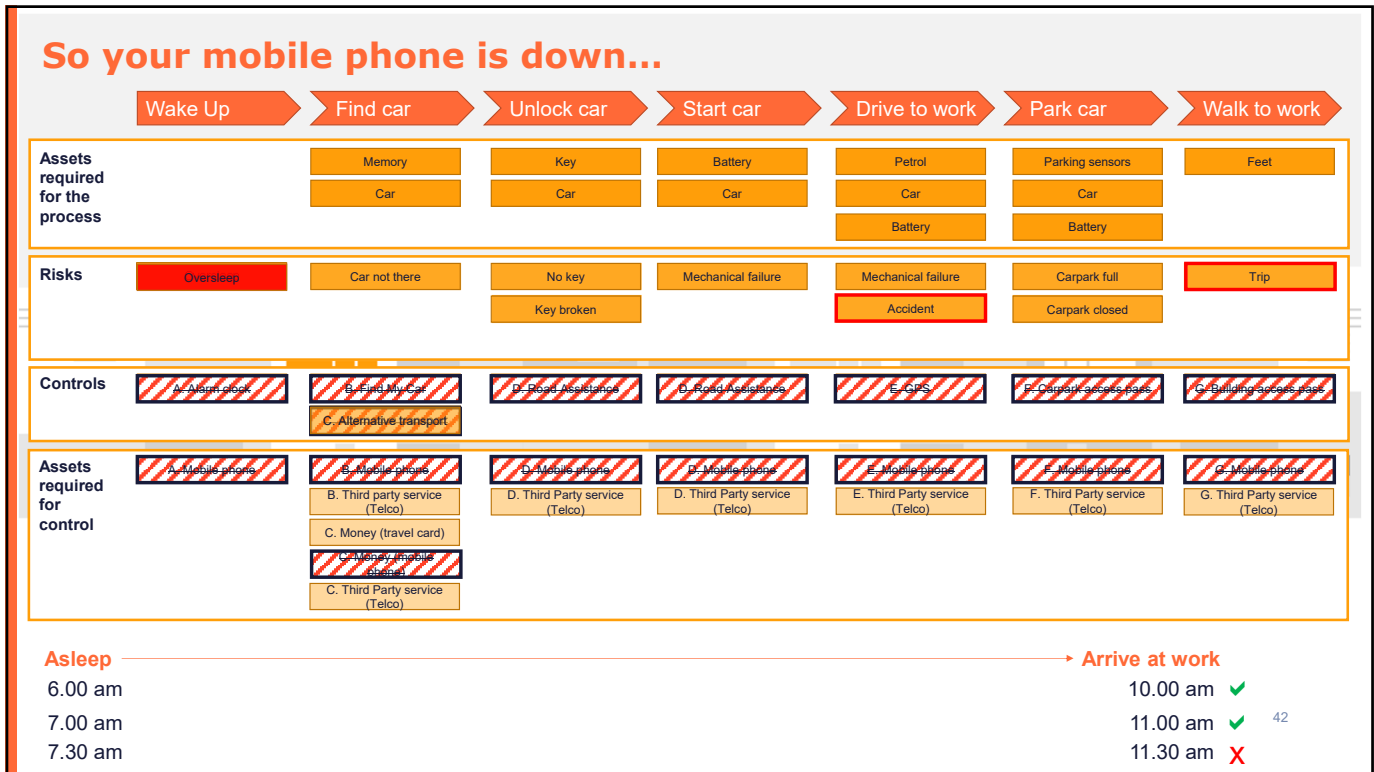


Shock: Control asset failure

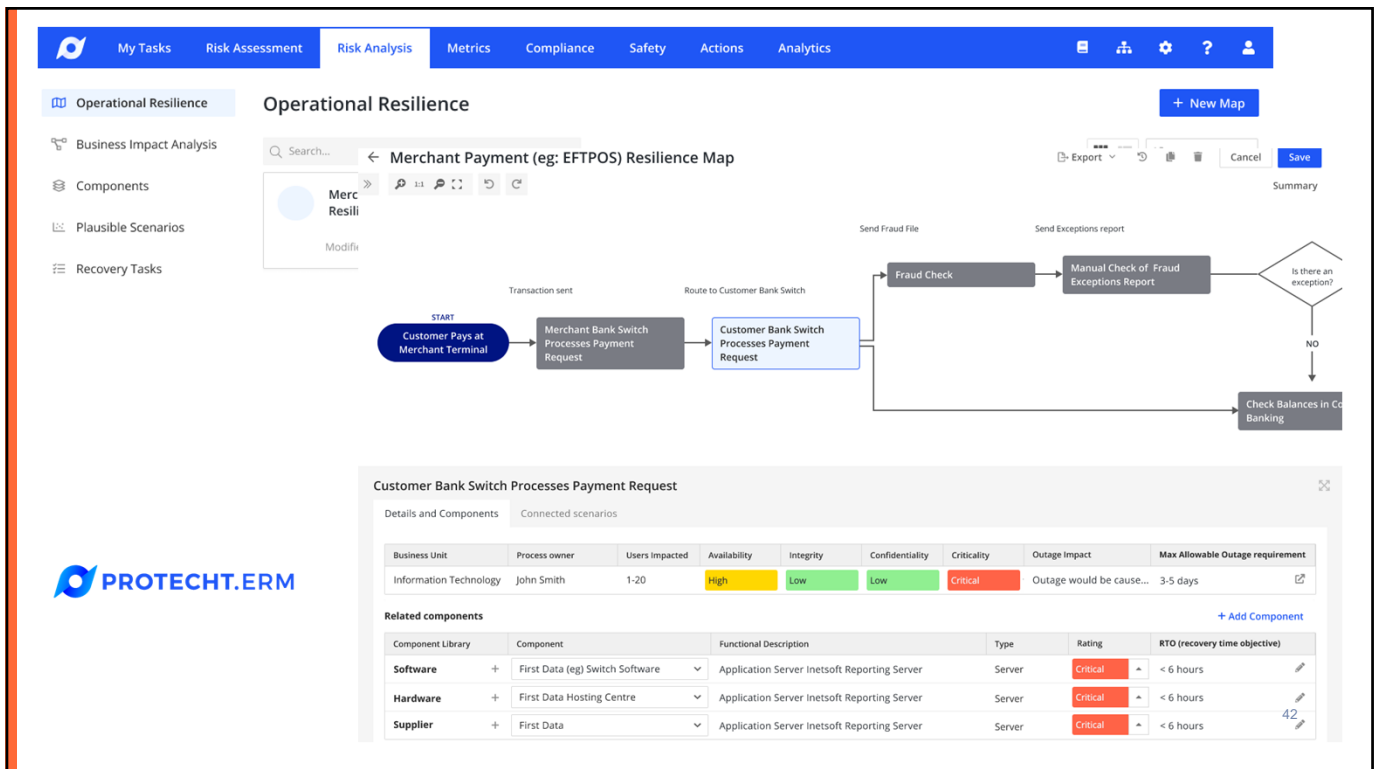
Your mobile phone is out of action...

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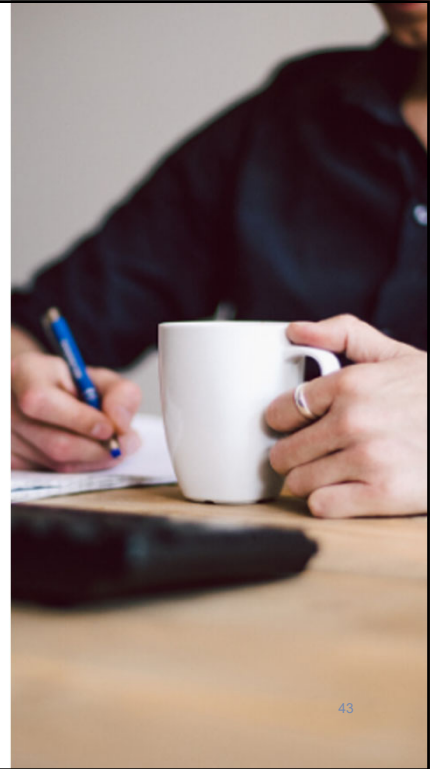


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Polling Question

How do you believe will your organisation will deliver operational resilience system capability?

1. Use our existing GRC / ERM system
2. Look at upgrading our GRC / ERM system
3. Look to a specific resilience solution.
4. Unsure
5. Other



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Keys for Success

1. Operational Resilience is not a standalone process. It is part of / extension to ERM.
2. Utilise existing practices and information as much as possible:
 - DRP, Controls Assurance, KRIs, Issues and Actions, BCP, TPVRM / Outsource management
 - Contingency plans
 - Stress testing and Capital Planning
 - Risk Assessments
3. Agree terms and definitions to minimise confusion – follow this space!
4. Critical Process / Service mapping will be required. This is the main “missing link”
5. Ensure level of granularity is appropriate – Beware “death by process maps”
6. Main focus should be:
 - Develop end to end process / service maps
 - Map existing / new information to process maps
 - Have capability for “what if”. What if we lost asset “A”? What if Scenario “D” were to occur?
7. Good systems – is your existing ERM / GRC system up to the job?
8. Ensure business value is created, not just meeting a regulatory requirements.



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Questions and concluding remarks

Enter your question in the question section on the *GoTo* control panel.

If the question input area is not visible, click on the orange arrow at the top of the panel to expand the viewing area.

Redefining the way the world thinks about risk



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What's Next?



Culture and Conduct Risk Management

22 July 2021



Engaging the front line in managing risk

29 July 2021



Online Risk Futurist Meetup

Coming soon

<https://info.protechtgroup.com/risk-management-futurist-online-meetup-webinars>

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