

Pre-EMPT

Process Review and Evaluation of Multi-Modal Passenger Terminal Security



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Overview

- Project Aims
- Methodology:
 - Conceptual Attack Framework (CAF)
 - Realist Literature Review
 - Fieldwork/ Site Visits
- Complexity of Multi-Modal Passenger Terminals (MMPTs)
- Findings
 - 8 General Principles for Securing MMPTs
- Future Steps
 - CAF Demo
 - Indicative Toolkit
 - Future Steps

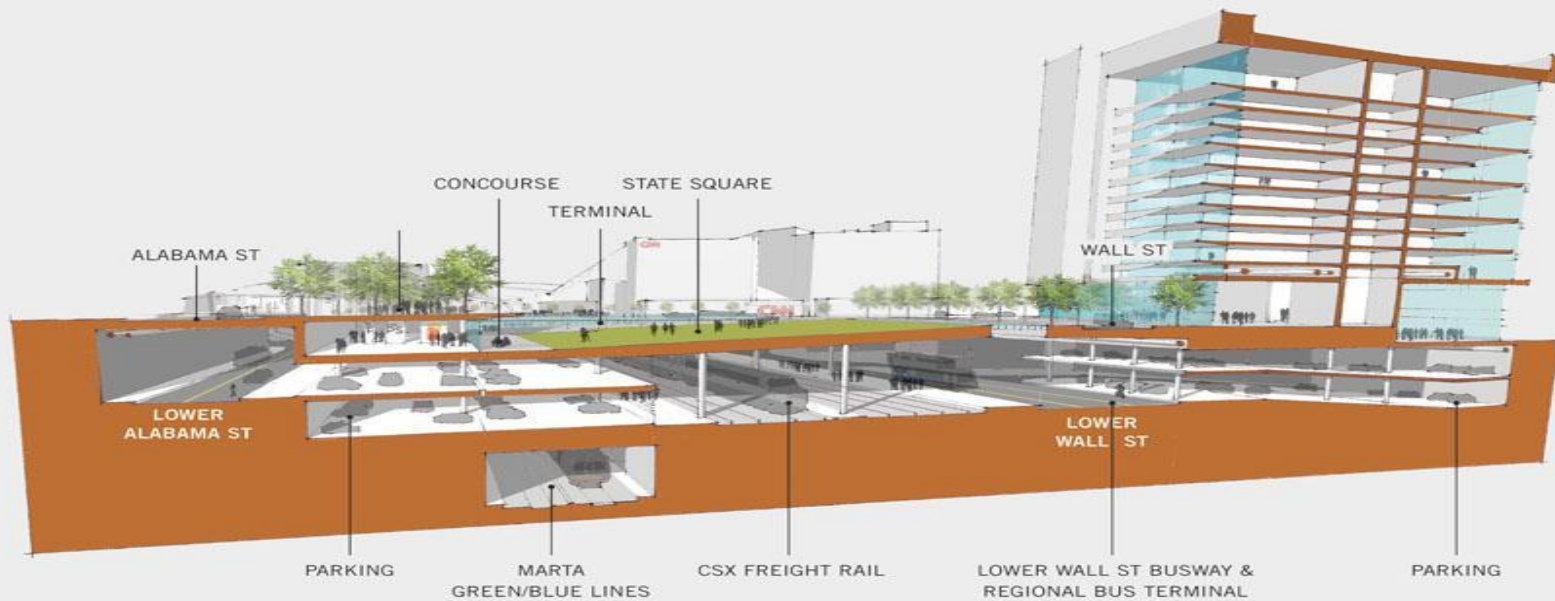
Project Aims

- **to understand** how MMPTs operate and tactical security challenges they face
- **to identify** 'best practice' solutions to securing MMPTs from terrorist attack and serious crime
- **to produce** an indicative toolkit
- **to inform** the development of a pan EU Land Transportation Security Strategy

Multiple Methods Approach

1. Creation of a Conceptual Attack Framework
2. Realist Review of Literature
3. Fieldwork
4. Development of an 'indicative' toolkit

Complexity of MMTP



Transport, Infrastructure & Land Use	Integral/ Adjoining Retail/Leisure Facilities	What varies between MMPTs
<u>Transport Mode</u>		Environmental Design Opening/ Closing times Responsibility for security
Over-ground Rail	Retail outlets	
Metro System		Training of security staff
Tram System	Supermarkets	Surveillance & communications (equipment & practices)
Bus Station		Land & property ownership
Taxi Rank	Pubs and Bars	Jurisdictions for security staff (patrols)
		Governance Structures Vetting of staff
<u>Infrastructure</u>	Fast food establishments	Site maintenance requirements /practices Partnership working
Waiting areas		Passenger flows by time
Concourses and platforms	Restaurants	Flows of other site users (employees, visitors, customers)
Walkways		Vehicles (passenger vs. freight trains)
Escalators		
Elevators		Open and restricted areas for site users Entry and exit points
Ticket & other barriers		Environmental Quality

Realist Review

- Searched 15 Bibliographic Data Bases
- Approached relevant organisations and experts
- 409 relevant items identified (abstract/title)
- 139 documents reviewed in depth (34%)

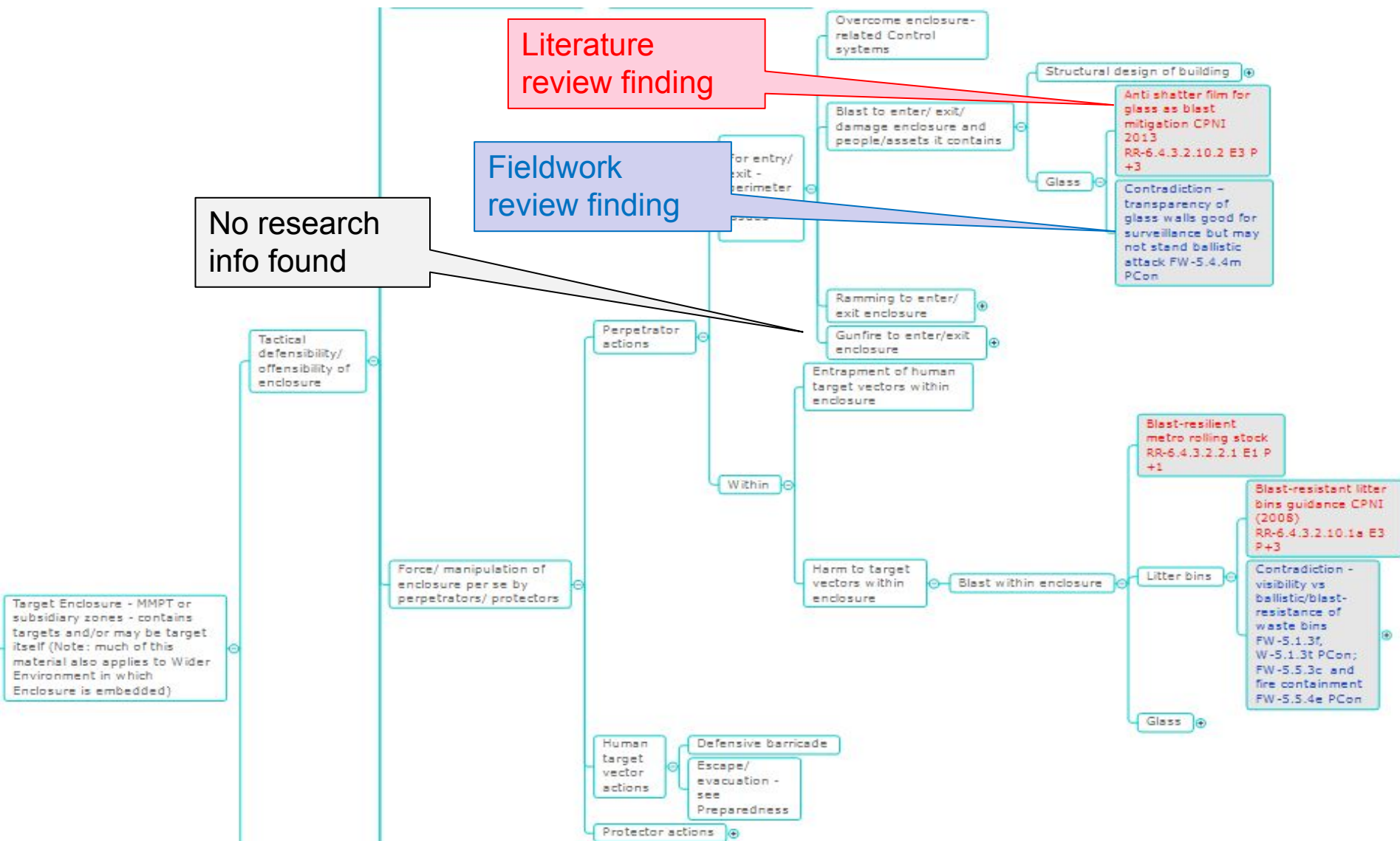
- to experience contrasting MMPT environments

- to gain insights/capture experience based knowledge
 - management of security incidents
 - different agencies involved
 - partnership working
 - available resources
 - existing security interventions
 - recognised good practice
 - areas of concern

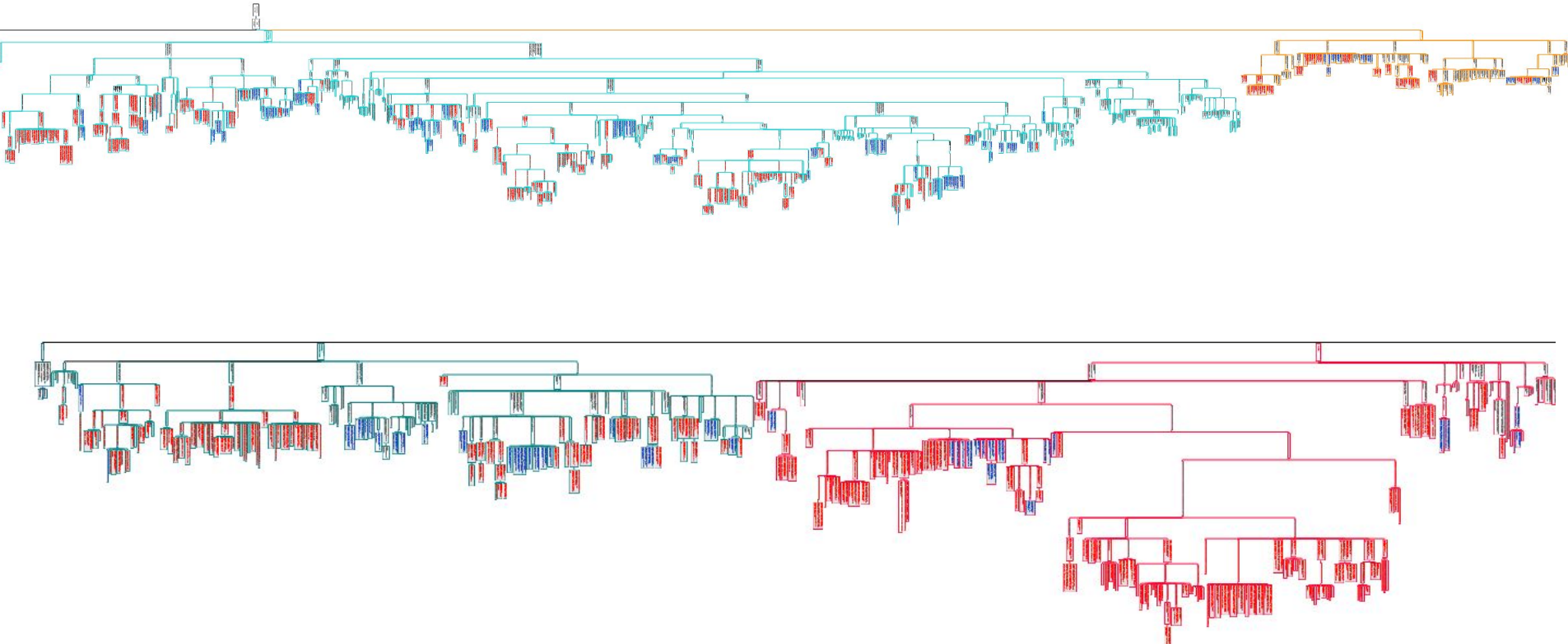
Conceptual Attack Framework

- Map out theoretically plausible attacks
- Map out theoretically plausible responses
- Compare recorded attacks and responses
 - Literature and fieldwork,
 - Organised them on 'knowledge trees'
- Flagged plausible attacks & responses:
 - absent from the literature
 - not on the 'radar' of practitioners

CAF: Consolidating Findings



CAF: Entire Visual



Quality Assessment

Literature ¹	Experience-based Knowledge ²
Best Practice	Recognised Good Practice
Good Practice	Context-Dependent Practice
Potentially Good Practice	Contradictory Practice
Highlighted Practice	Indeterminate Practice
Practice to Avoid	Practice to Avoid
¹ Based on nature & strength of supporting evidence	² Based on professional expertise & practitioner knowledge

8 General Principles

1. Adopt standardised EU-level definitions of all terms relating to security at MMPTs
2. Set up holistic governance structures & partnership working arrangements at MMPTs
3. Implement basic interventions for physical protection and harm mitigation at MMPTs
4. Manage and control the movement of people using MMPTs
5. Maximise opportunities to conduct effective surveillance at MMPTs
6. Ensure security approaches & interventions are appropriate for MMPT site and context
7. Provide Training of staff working at MMPTs
8. Strike a balance between the need for security and other priorities at MMPTs

Principle 7

Provide Training of staff working at MMPTs

Recommended Practice	Practices/ Areas of Concern
<p>Training in:</p> <ul style="list-style-type: none">❖ How to identify and report suspicious situations❖ Who to report to❖ How to communicate information to site users❖ Awareness of terrorism❖ Familiarity with first response procedures in event of an attack <p>Plus:</p> <ul style="list-style-type: none">❖ Consistency in content and quality of training for all staff (security, cleaners, retail)❖ Regular assessments of staff competence	<ul style="list-style-type: none">❖ Failure to provide customer service training where required – ensure staff are ‘approachable’ by passengers

Principle 8

Strike a balance between the need for security & other priorities at MMPTs

Recommended Practice	Practices/ Areas of Concern
<ul style="list-style-type: none">❖ Unobtrusive security interventions that do not disrupt people's daily routines or normal business activities❖ Interventions that are appropriate and proportionate❖ Strike balance between generating alertness and fear❖ Consideration of security design requirements at earliest possible stage in design process	<ul style="list-style-type: none">❖ Airport style security at MMPTs❖ Luggage screening especially random screening contradicts privacy, liberty values❖ Complex ticket queueing procedures that generate crowding and aggression

MMPT Security Baseline

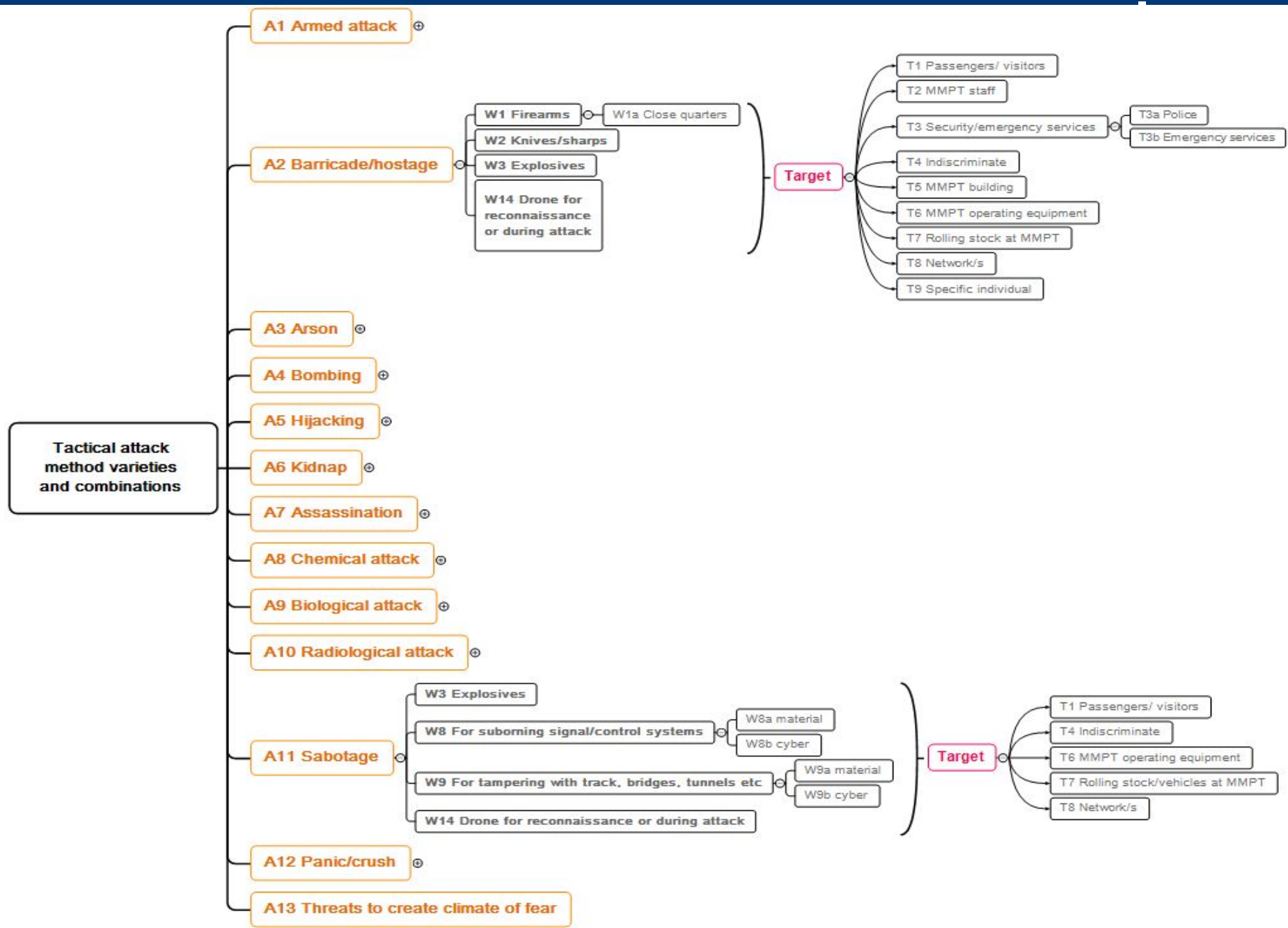
- Our research findings suggest each MMPT should consider
- **Developing and implementing** a baseline security plan comprising:
 - A communications policy;
 - A physical security strategy;
 - Movement control plan;
 - Site surveillance protocol
 - Essential security awareness training programme for all staff catering for different levels (strategic, operational, tactical)

CAF and Indicative Toolkit Demo

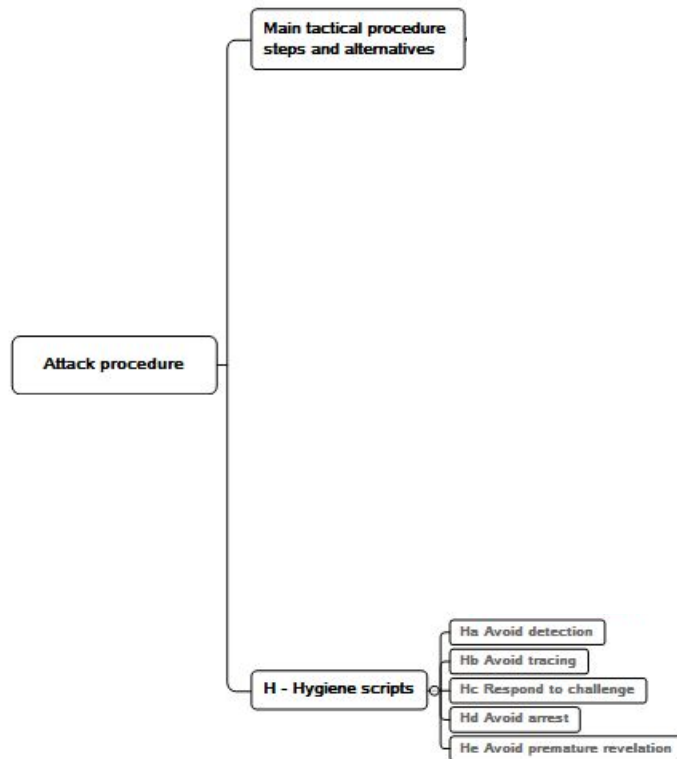
Note to interpreters: The following slides are animated – some of the text boxes are only visible when the slide is played.

The very detailed boxes, e.g. at rh side of Slide 34, hidden by blank boxes, AND THE MAJORITY OF Slide 43, will not be spoken but are just meant to show the presence of more information.

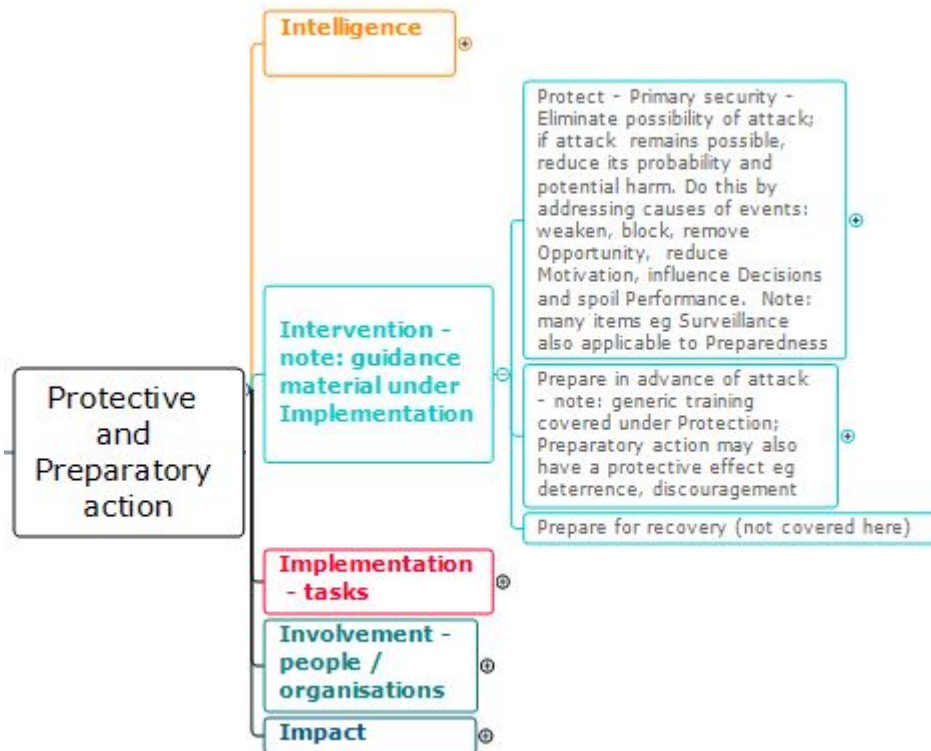
CAF: Illustrations I – Tactical attack methods



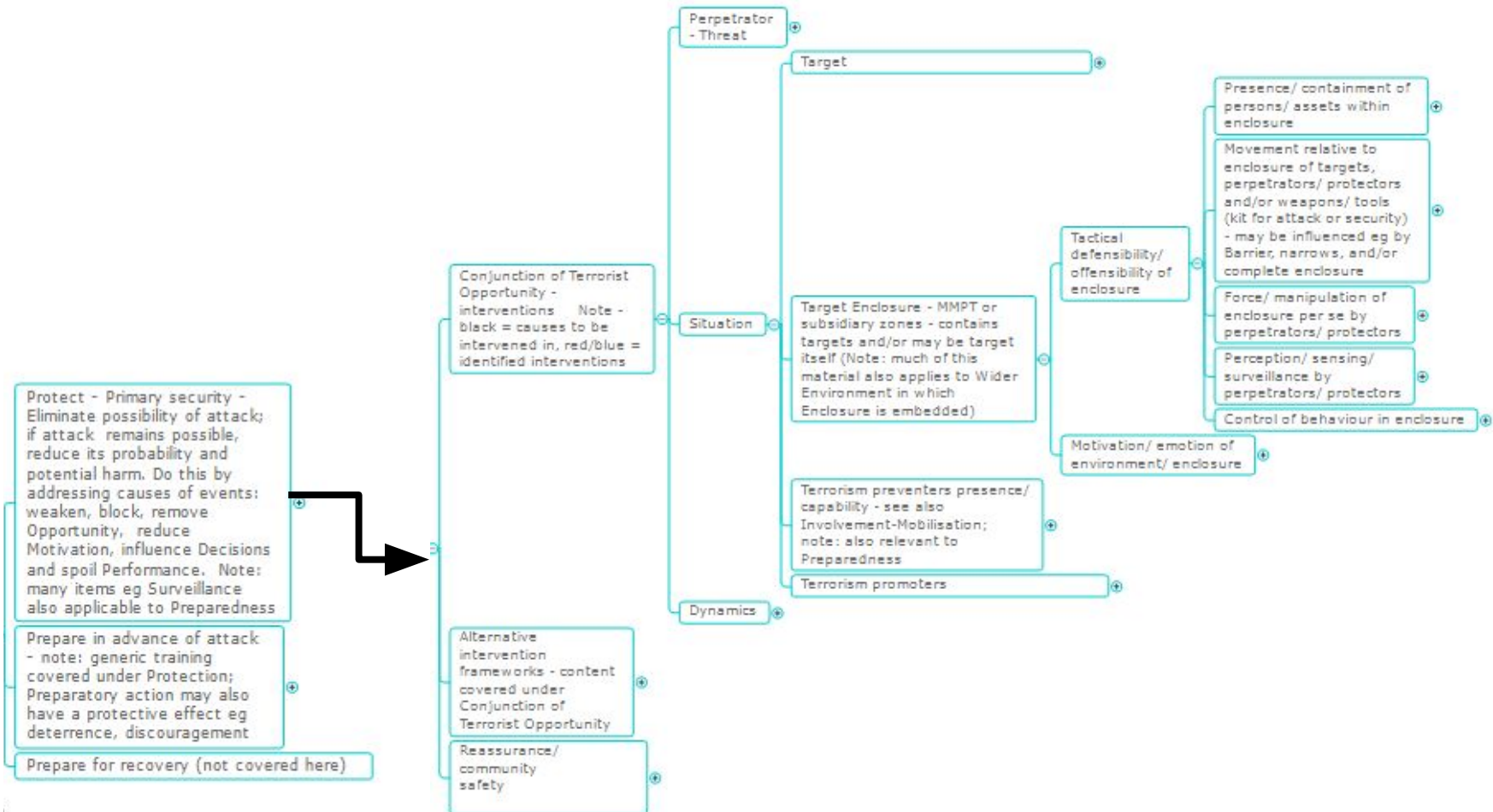
CAF: Illustrations II – Attack procedure



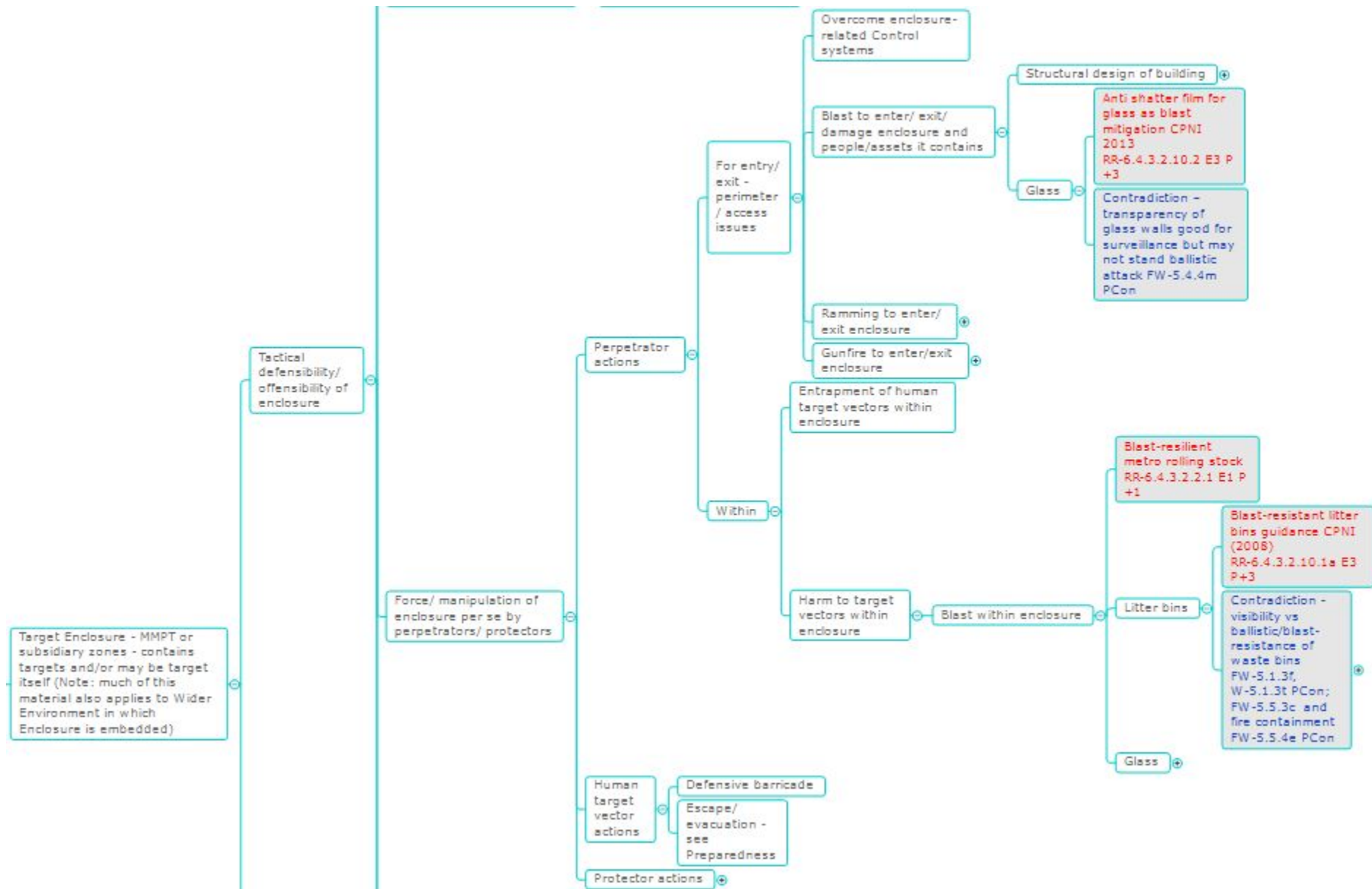
CAF: Illustrations III – Security action - Intervention



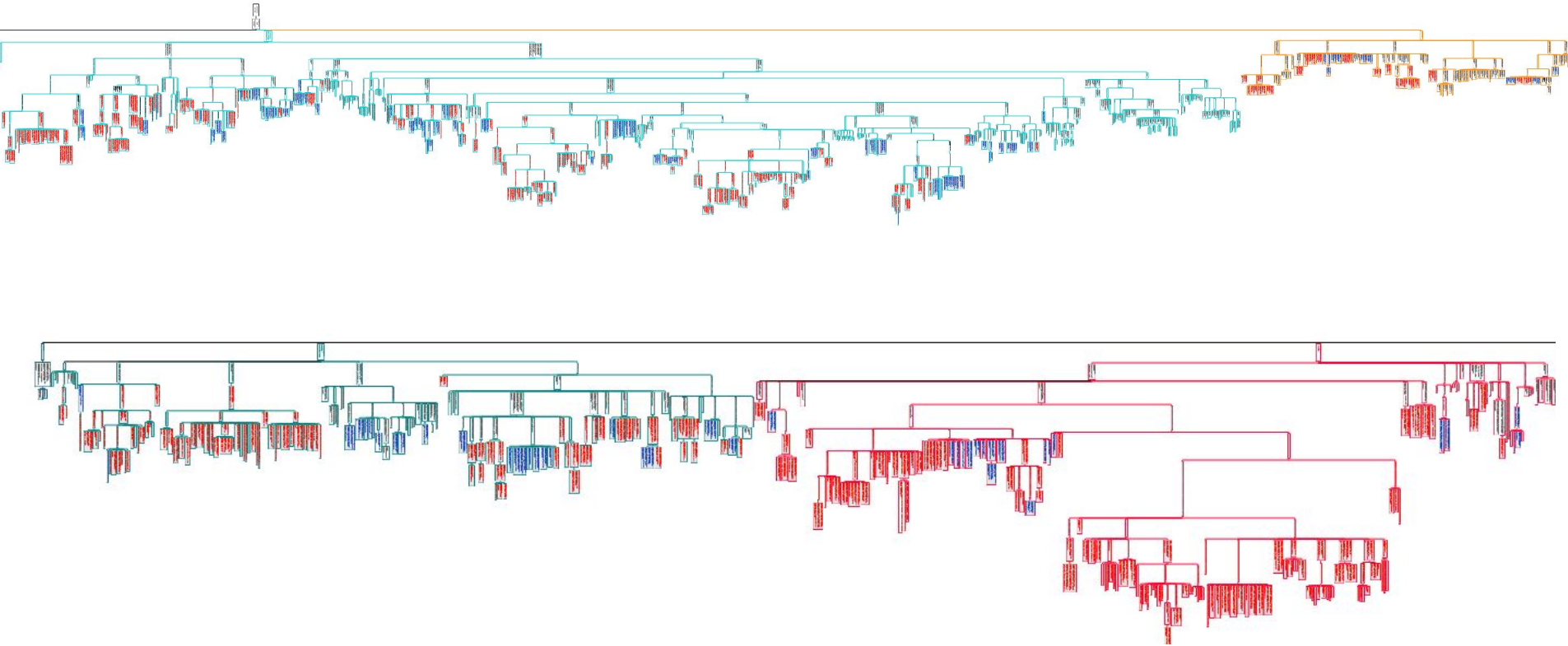
CAF: Illustrations IV – Security action – Intervention – Protect



CAF: Illustrations V – Adding in the findings

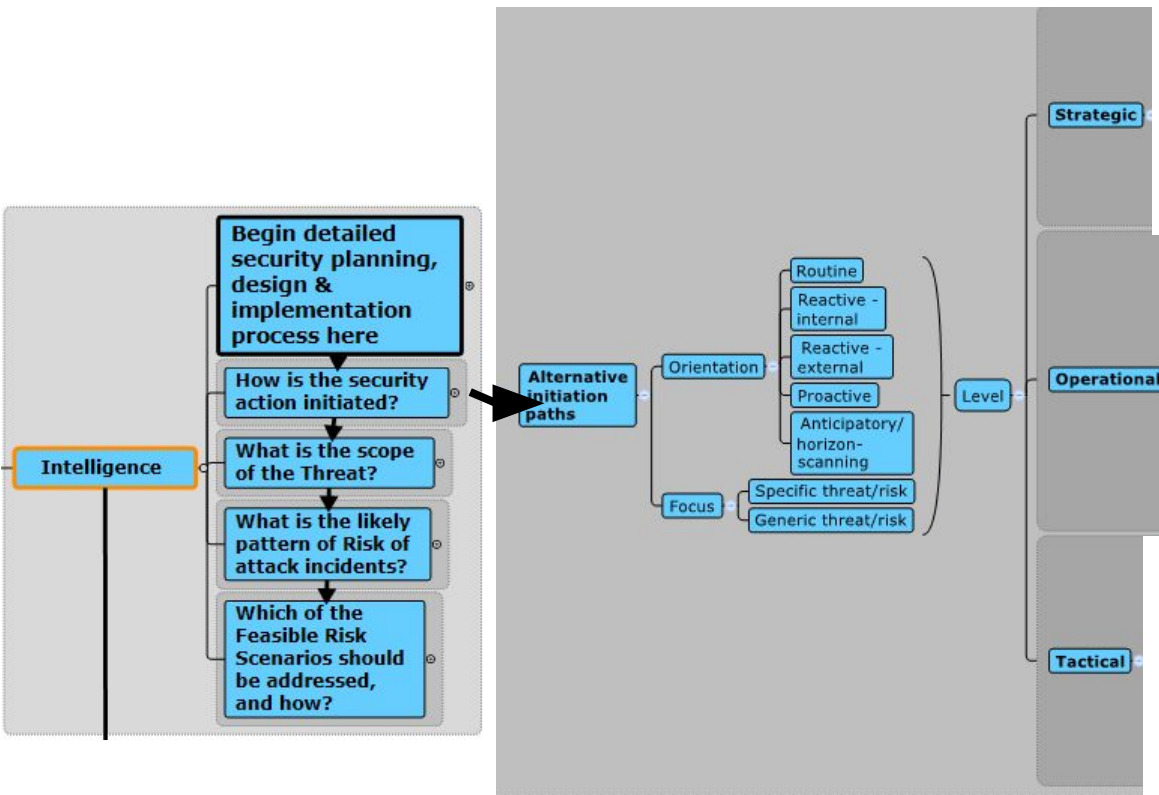


CAF: Illustrations VI – All the findings

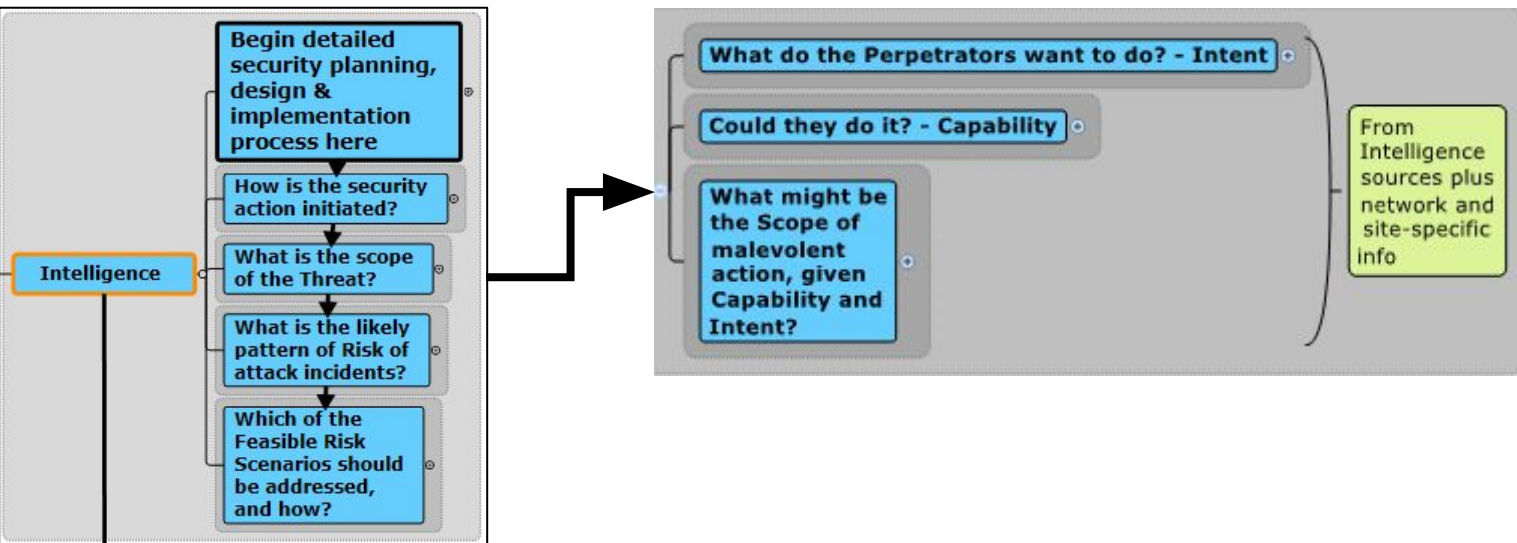


Indicative toolkit – based on 5Is process model

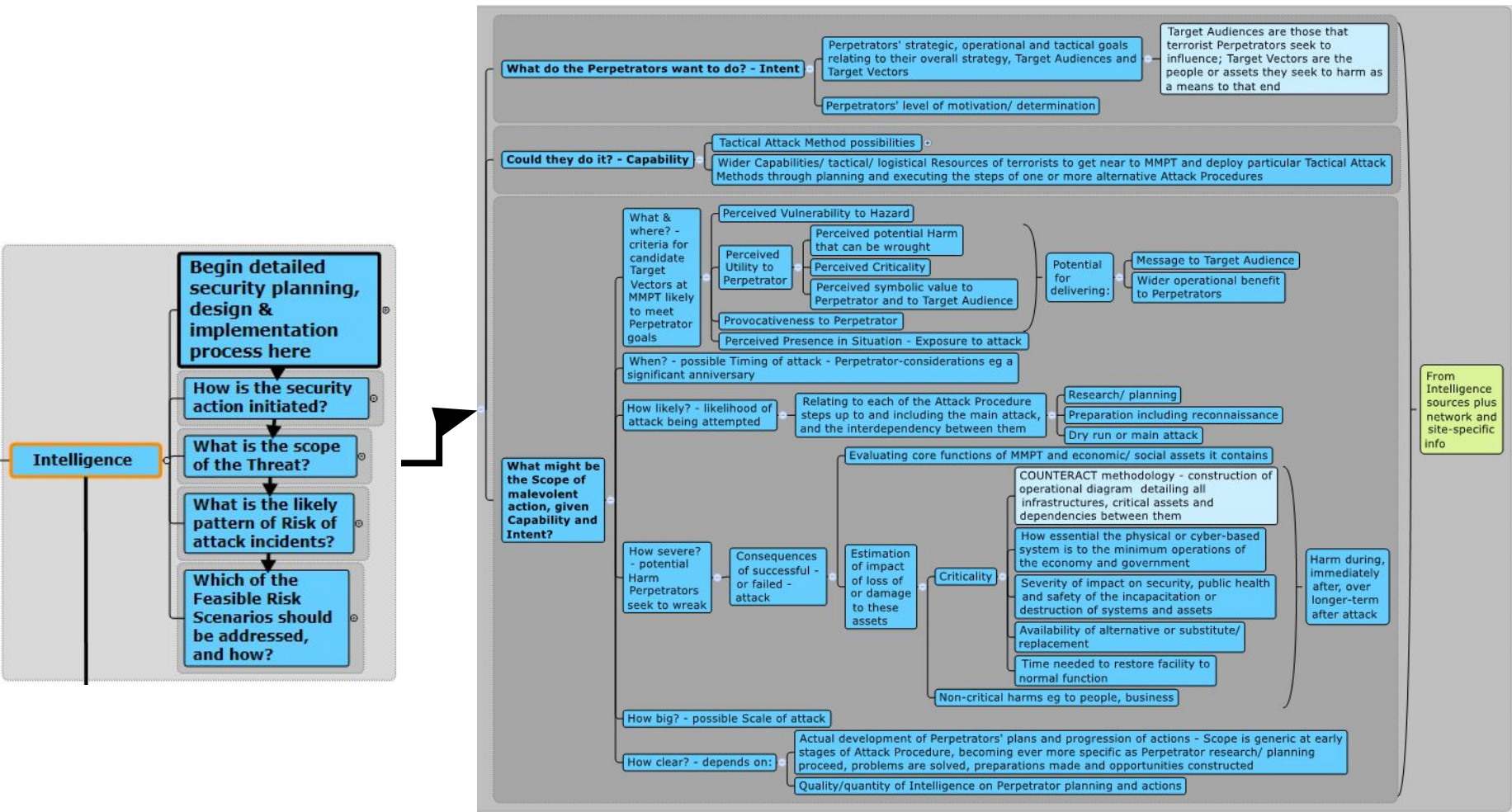
*Indicative
toolkit
process*



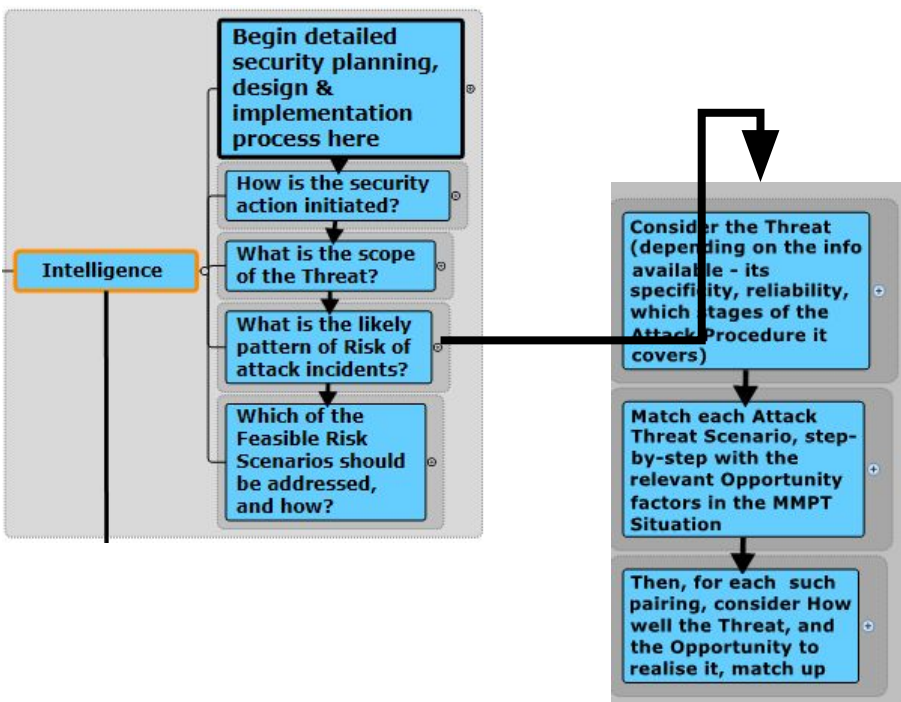
Intelligence – Scope of threat



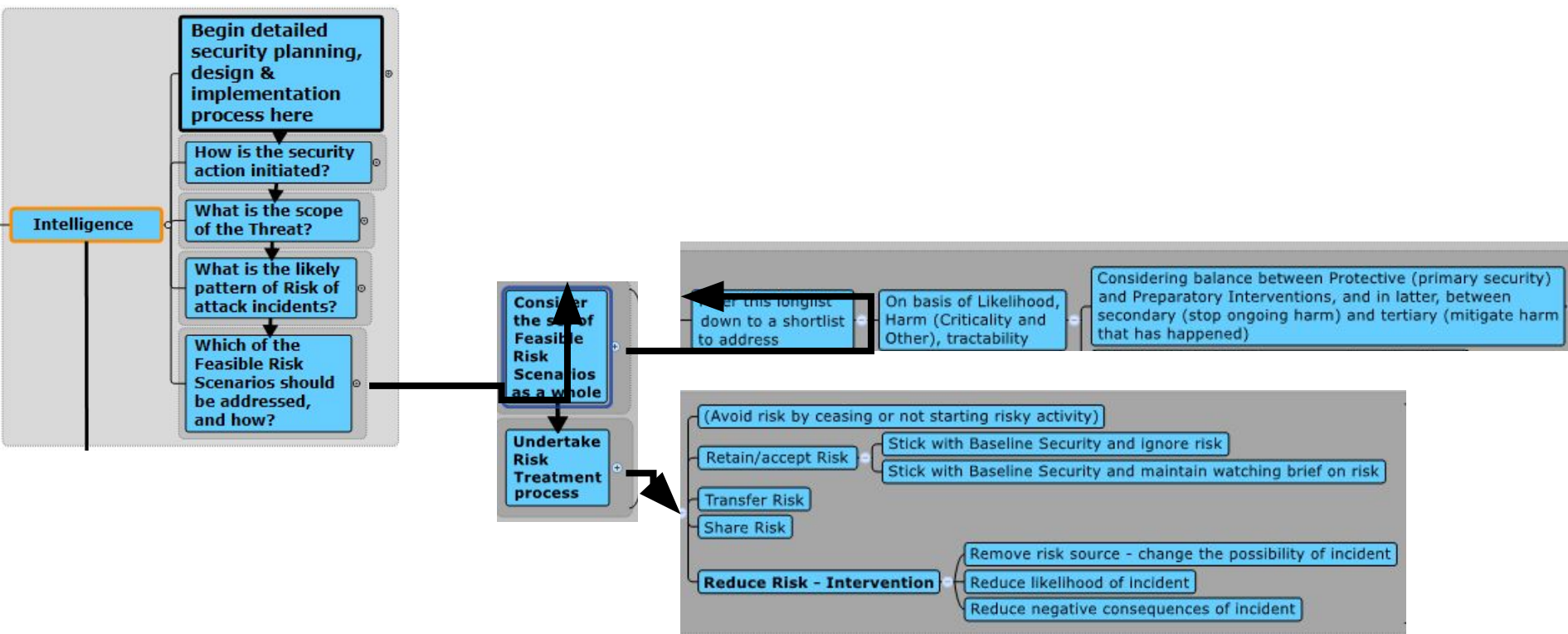
Intelligence – Scope of threat



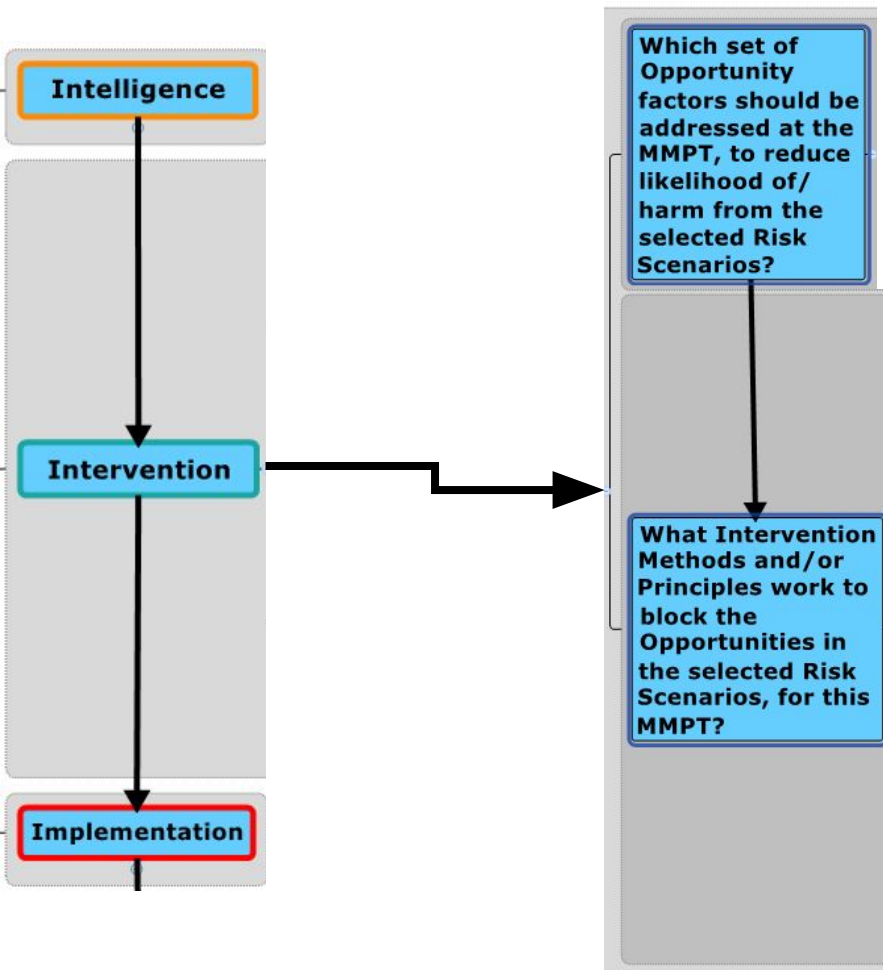
Intelligence – Threat + opportunity – > pattern of risk

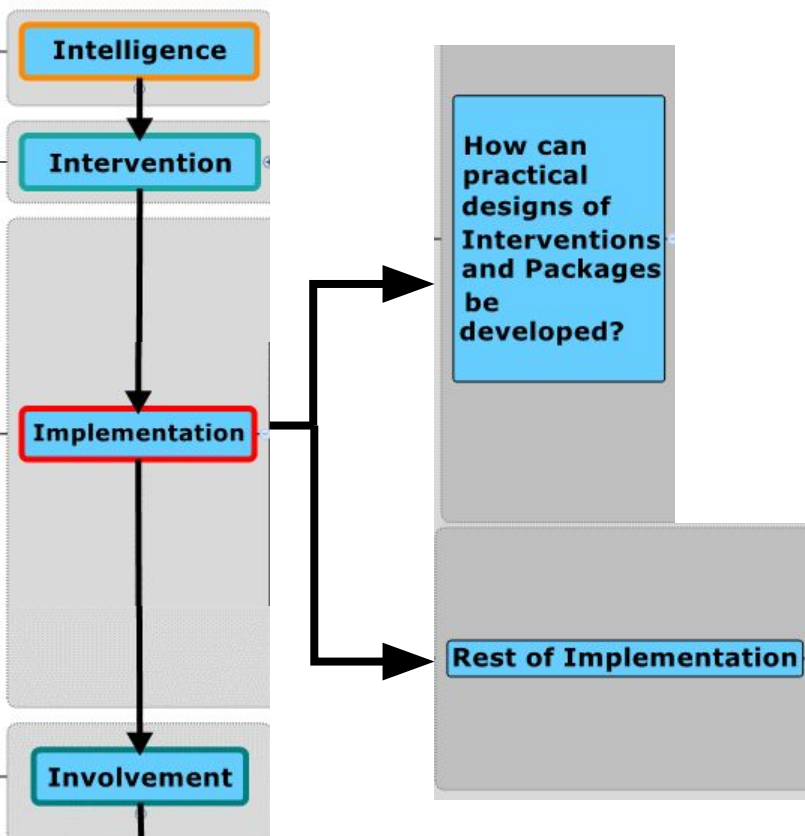


Intelligence – Which risk scenarios to address, how?

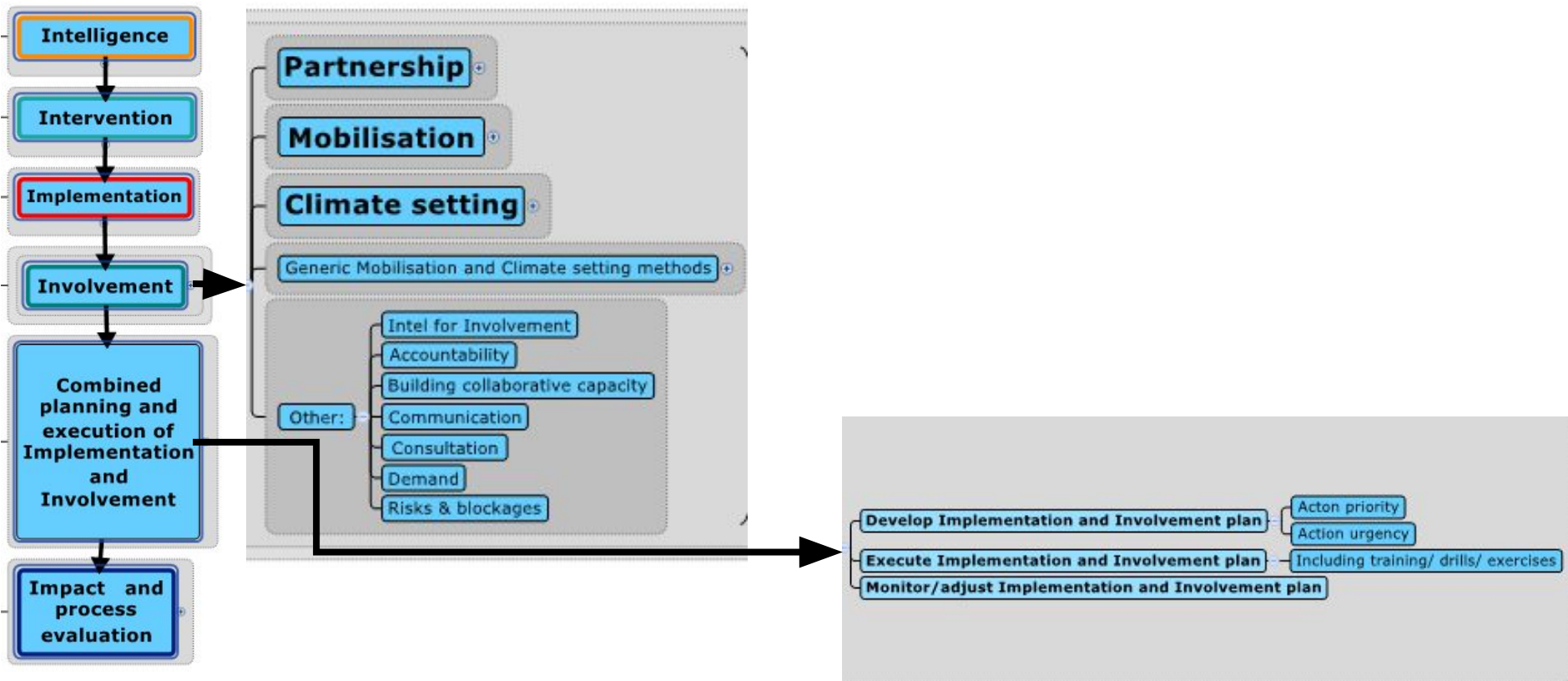


Intervention – blocking, deterring, thwarting attack

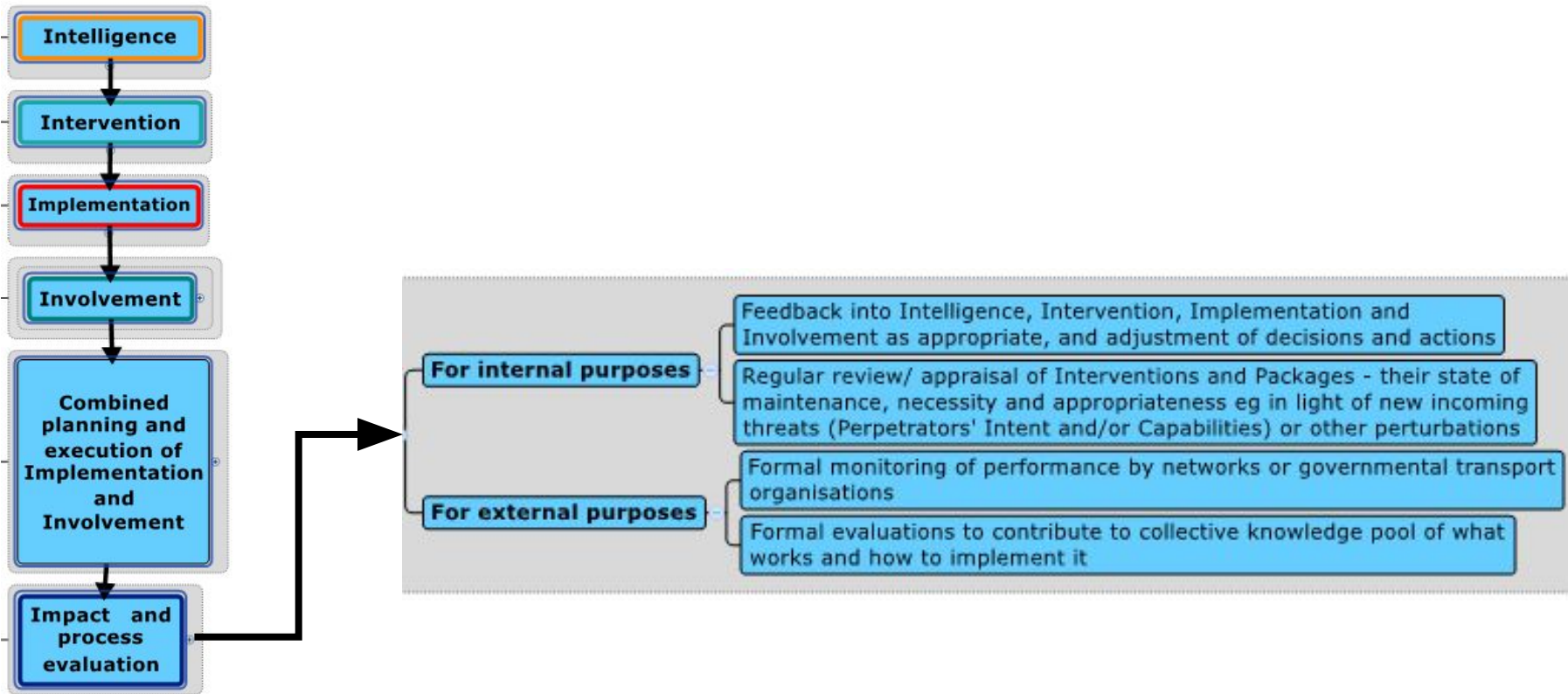




Involvement – People and organisation dimension



Impact and process evaluation



Future Steps: Objectives

- To develop toolkit (or similar for end users) that can
 - capture practice-relevant knowledge on security approaches
 - organise it for efficient storage and retrieval
 - disseminate it
 - engage and educate end users in how to apply it
 - facilitate implementation and involvement (organisational design)

- More widely, to encourage and assist:
 - Proportionality of intervention relative to risk
 - Customisation of security action to context
 - Adaptability to changes in technology, business and society
 - Evaluation of practices
 - Continued updating, growth, and adaptability of toolkit itself

Future Steps: Alternative Formats

- Simple pdf guide with clickable tabs
- Interactive pdf worksheet
 - Users work through with guidance at each step
- Highly interactive html website
 - diverse users and diverse starting points
 - e.g. strategic>tactical; experienced>novice user)
 - leading them through the complexity of the task
 - customised to their needs, priorities, skill level and resources
- Table-top games for training and rehearsing for alternative scenarios

Future Steps: Common Approach

- A process which empowers users to:
 - Think perpetrator, and threat
 - Think opportunity for terrorism/crime, generated by the design and operation of the MMPT
 - Think preventer, and security needs
 - Think designer, and the wider requirements for the business, the users and society
 - Think manager
 - Think future – resilience and adaptability in the long term