PRIME
Preventing, Interdicting and Mitigating Extremism

D3.2
Data Needs Inventory

WP 3 – Data Requirements

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PRIME

Deliverable D3.2

PReventing, Interdicting and Mitigating Extremist events: Defending against lone actor extremism

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Keywords

Data collection; data coding; methodology; risk analysis matrix; risk analysis framework.

Acronyms

Acronym	Definition
DoW	Description of Work
LAEE	Lone Actor Extremist Event
RAPA	Radicalisation, Attack Preparation, Attack
SME	Subject Matter Expert

1. Introduction

1.1 Context

PReventing, Interdicting and Mitigating Extremist events (PRIME) is a collaborative research project funded under the European Union's Seventh Framework Programme (FP7). PRIME started on 1 May 2014 and is slated to run for 36 months.

PRIME sets out to improve our understanding of lone actor terrorism and to inform the design of social and physical countermeasures for the prevention of lone-actor radicalisation, the disruption of lone-actor terrorist plots, and the mitigation of terrorist attacks carried out by lone extremists. In this endeavour, PRIME adopts a multidisciplinary approach, which combines formal modelling techniques drawn from security engineering with relevant expertise from the ecological, social, behavioural and criminological sciences. The end-product will be a decision-support tool for end-users whose remit is to deal with the lone actor terrorism threat.

PRIME's research activities involve a range of social scientific research methodologies for the purpose of collecting empirical data needed to produce scripts (integrated script and subscripts) of lone-actor extremist events (LAEE) and related analytical products. The ultimate aim of these combined products is to enable the identification of 'pinch points', where interventions (i.e. countermeasures) can be implemented to prevent, disrupt or mitigate lone-actor terrorist activity.

PRIME seeks to go beyond the state of the art in the study of lone actor extremism in a number of ways: firstly, by modelling factors, processes and indicators associated with LAEEs at several levels of analysis, and, secondly, by developing for this purpose a more rigorous theoretical and analytical approach than has heretofore been used in this domain to produce scripts and explanations of LAEEs.

To achieve these objectives, PRIME research activities must include the collection of suitable data. The main purpose of this document is to inventory the project's data needs, in order to guide future data collection activity by the PRIME scripting teams responsible for the modelling of the LAEEs' three phases: radicalisation, attack preparation and attack.

1.2 Objectives

The objectives of the present deliverable are as follows:

- To briefly outline the main dimensions of the Risk Analysis Framework (RAF) which is intended to inform the production of the LAEE subscripts. A more

detailed description of the RAF is presented in Deliverable 3.1 (D3.1 "Risk Analysis Framework").

- To inventory general categories of datasets and data categories which are required to successfully produce LAEE subscripts, in order to inform the data collection efforts of the scripting teams.

    The resulting inventory is intended has an 'ideal-type' list of desirable data. It is well understood that, given the well-known issues associated with data access in the terrorism research field, and the necessary constraints placed upon the PRIME research activities by institutional ethical guidelines and broader ethical concerns (detailed in D2.1 "Ethical Research Framework"), desirable data categories will remain unavailable to the scripting teams during the lifetime of the project. The below inventory can guide, but obviously not compel, data collection activities.

- To briefly define key categories of data sources (Subject Matter Experts and End-Users) to ensure that use of data source qualifiers is consistent across research teams.

2. Risk Analysis Matrix

The PRIME RAF (D3.1) sets out the analytical (i.e. theoretical) framework which underpins the scientific approach of the PRIME project.

For purposes of analytical clarity and practicality, the RAF divides LAEEs into <u>three developmental or behavioural phases</u> (RAPA) and identifies <u>four categories</u> of general causal factors and causal mechanisms (i.e. levels of analysis), which are theorised to underpin the processes involved in each of the aforementioned phases. Each of these categories of factors is understood to be associated with observable developmental and behavioural indicators, which will vary by context (e.g. country; ideology; time period).

Since causal mechanisms are inherently unobservable, markers[1] and symptoms[2], two categories of indicators, are the main targets of the PRIME data collection activities on LAEEs. Analysis of symptoms can be expected to play a role in the detection of LAEEs, while the analysis of markers can be expected to play a part in their prevention, by signalling the presence of causal factors.

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[1] Factors associated with causal processes and mechanisms.
[2] Factors associated with the outcomes of a causal process.

The RAF which drives the PRIME project can be summarised in a matrix (Figure 1), whereby each column represents an analytical phase of LAEEs, each row represents a level of analysis, and each cell is populated by key hypothesised categories of causal factors and mechanisms.

As with any representation of multi-level processes and events, analytical distinctions are to some extent arbitrary and conventional. For example, motivation is a property emerging out of the interaction of the properties of individual (actor) and situational (setting) entities, and therefore does not belong strictly to any one analytical level.

To represent events in such a way as to identify concrete points of intervention, the RAF must be translated into scripts (i.e. process and event graphs), which will represent processes through their associated markers and symptoms at multiple levels of analysis.

The categories which populate the matrix (motivated and described in detail in D3.1) are theorised to constitute essential categories of causal factors and processes implicated in LAEEs, the disruption of which would prevent, interdict or otherwise mitigate these events. As such, one of PRIME's main objectives is to collect data, which, once analysed, will contribute to our ability to detect these processes as they unfold and deepen our understanding of the conditions which support their emergence across a variety of contexts.

While the RAF theorises individual susceptibilities and propensities, and relevant features of situational settings, as direct influences upon the individual's development (i.e. radicalisation) or behaviour (i.e. attack preparation and attack), ecological and systemic factors and processes are theorised as indirect influences (i.e. "causes of causes") of propensity development or behaviour.

This has implication for data collection, as relevant information is more likely to be recorded and accessible regarding direct influences, rather than indirect ones. Therefore, data needed to populate the top two rows of the matrix (the first row in particular) is more likely to be available to the scripting teams, compared to data relative to the bottom two rows (the fourth row in particular).

Likewise, given the extended processes likely to be involved in radicalisation and, to a lesser extent, attack preparation, comprehensive data is more likely to be recorded and accessible to populate the last column (the two top cells in particular), which is likely to refer to an event more clearly circumscribed in time and space (i.e. the attack event).

Figure 1 Risk Analysis Matrix[3]

		Phase of Event		
		Radicalisation	**Attack Preparation**	**Attack**
Level of Analysis	**Individual**	Susceptibility to moral change Susceptibility to social selection Susceptibility to self-selection	Social, physical and cognitive resources Susceptibility to social and self-selection	Social, physical and cognitive resources
	Situational	Exposure to radicalising settings Radicalising agents Radicalising teachings Social monitoring context	Opportunity structure Moral context Perception of action alternative Perception of capability (risk) Emergence of motivation	Opportunity structure Moral context Perception of action alternative Perception of capability (risk) Maintenance of motivation
	Social Ecological	Emergence and maintenance of radicalising settings	Emergence and maintenance of opportunity structure	Emergence and maintenance of opportunity structure
	Systemic	Emergence and maintenance of radicalisation-supportive social ecologies Emergence of social selection processes	Emergence and maintenance of opportunity-supportive social ecologies Emergence of social selection processes	Emergence and maintenance of opportunity-supportive social ecologies

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[3] The darker the shading of the cell, the higher the likelihood of capturing data relevant to the factors and processes it contains.

3. Data Needs

3.1 Elicitation of data needs

Data requirements were elicited through iterative discussion between the RAF, RAPA subscript, and meta-script teams.

The purpose of the exercise was to optimise the quality and fitness of the data to be collected given the time and resources available, and the ultimate purpose of the data collection activity.

The main considerations, which had to be balanced, included:

- The need to try and collect information to represent different levels of analysis of the RAF (individual, situational, social ecological, systemic), keeping in mind the distinction between direct and indirect factors and processes;

- The feasibility of operationalizing the analytical RAF categories into observable and collectable data coding categories;

- The time available and likelihood of being granted access to privileged (e.g. police case files) information;

- The data resources readily available (e.g. existing databases owned by the researchers);

- The requirements of the formal scripting methodology needed to produce the 'integrated' script;

- The generalisability of the resulting scripts beyond the contexts for which data was collected;

- The ethical constraints under which PRIME operates.

3.2 Datasets

A consensus emerged that given these aforementioned, sometimes competing, considerations, and given the difficulties inherent in collecting information on indirect causal factors and processes, data collection for each script phase (R, AP, A) would have to occur at three levels, corresponding to three different kinds of datasets, which would yield qualitatively different kinds of information on lone-actor extremist events. In each of these datasets, however, the bulk of the information collected would have to be case-based (i.e. relatable to discrete and confirmed instances of LAEEs, as

opposed to, for example, SME opinions on LAEEs and their causes 'in general', though those may guide our approach to the analysis).

1. Large-N dataset

Allowing for statistical analysis of general trends in LAEEs across a variety of contexts (e.g. regions; countries; ideologies) requires the collections of a large-N dataset, as does the choice to use Bayesian Networks to model the data.

It was agreed at the outset that the PRIME Large-N dataset would, as described in the project's Description of Work, expand upon the existing dataset of 119, post-1990 US and European LAEEs collected by Paul Gill and colleagues[4], updating and revising it with new LAEE cases and new variables. To further augment the original dataset, data would also be collected on lone-actor extremist attacks carried out in Israel and the Occupied Territories (an area not previously covered by the Gill et al dataset), drawing on Israeli databases and using the existing Gill et al codebook to allow for integration and comparison. As well as expanding the geographical regions covered by the original dataset to improve the generalisability of findings, the point was made that Israeli cases were likely to reveal innovating trends in lone-actor attacks methods, which could later be experienced in LAEEs elsewhere.

While the large-N dataset would allow for tests of statistical significance, yield generalizable patterns that can be integrated into a 'core script' of LAEES, and most importantly enable Bayesian Network modelling, it was felt that – given, notably, the requirement to code information in a limited number of categories – large-N analyses may leave out crucial information on interaction effects, which the RAF theorises as key causal mechanisms, and phase transitions (i.e. radicalisation to attack preparation; attack preparation to attack), as well as detailed information on sequencing, place and timing of events and behaviours, all of which would be highly relevant information to produce scripts of LAEEs. It would

Hence, it was decided that the scripting teams should devote considerable attention to the production of more focused datasets, which would address the limitations of the large-N dataset and provide the more in-depth, qualitative understanding of LAEEs needed, alongside the project's theoretical framework, to motivate the selection of variables to be fed into the Bayesian Networks, since the procedure requires more than just throwing all variables 'into the machine', so-to-speak 'willy-nilly'.

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[4] Gill, P., Horgan, J., & Deckert, P. (2014). Bombing alone: tracing the motivations and antecedent behaviors of lone-actor terrorists,. *Journal of Forensic Sciences*, *59*(2), 425–35. doi:10.1111/1556-4029.12312

2. Medium-N dataset

Proceeding from the above, it was established that a medium-N dataset (around 15 to 30 cases), built upon a purposively-sampled subset of the large-N dataset, could fulfil three key purposes:

1) allow for a 'timeline'-driven approach to our understanding of LAEEs, so that the PRIME teams could model the progression of LAEEs over time and space, which is particularly relevant for those phases that may unfold over a number of weeks, months, or even years and a variety of geographical settings (i.e. radicalisation and attack preparation);

2) allow the RAPA scripting teams to model transitions between phases and ensure no crucial information 'falls through the cracks', given the artificial division of the script phases between radicalisation, attack preparation and attack. This means that most, if not all, of cases included in the medium-N dataset should have progressed through all three phases (i.e. an attack or attempted attack was carried out) – a requirement which does not apply to the large-N dataset;

3) allow the RAPA scripting teams to capture information that could inform our understanding of contextual and interaction effects between levels of analysis, notably between situational and ecological (settings and communities), and individual levels (e.g. effect of behavioural setting characteristics on individual-level perception of opportunity and capability), to the extent that the necessary data could be accessed.

In order to strengthen the external validity of the eventual scripts, it was decided that the medium-N dataset should include LAEEs drawn from different geographical contexts (i.e. US, Europe and the Middle East), different time periods (e.g. 90s, 2000s, very recent cases); perpetrators with different characteristics (i.e. political or religious orientation; gender) and different attack outcomes (i.e. successful attack/failed attack). Obviously, the selected cases should be the richest possible in data terms; to this end, the list of large-N cases was used as a basis to identify promising cases across a variety of contexts.

Constitution of the medium-N case dataset required, therefore, close consultation and agreement between the RAPA and scripting teams and preliminary data scouting to ensure that sufficiently rich data is available on the selected cases to enable the productions of qualitative subscripts of each RAPA phase and associated analytical products, that would yield the required knowledge of key variables to inform the development of the integrated Bayesian Network.

3. Small-n dataset

Finally, it was agreed that each scripting team should carry out a small number of in-depth case studies of LAEES (~5 cases for each phase), which could be used to produce detailed narratives for each RAPA phase, as well as further inform the choice of variables for integrated script development. In-depth narratives were pointed out to us by members of our Expert Advisory Board as valuable, illustrative features of the eventual countermeasure portfolios.

The data collected through these in-depth case studies should 1) provide comprehensive material of each case; 2) offer the opportunity to 'pilot' the eventual subscripts and integrated script; 3) try and capture detailed information on indirect causal factors and processes (notably, social ecology), which would very difficult to do quantitatively, given the low volume and geographical spread of events.

Given the emphasis on detailed contextual information, and that small samples are not expected to achieve external validity, it was felt that the small-N dataset should be pulled from national cases in the RAPA scripting teams' own countries, in order to take advantage of any opportunity to negotiate access to restricted or privileged information (e.g. court or police files), which can only be achieved, practically, when the number of cases under consideration is small, rather than trade-off qualitative depth for inclusiveness.

3.3 Data categories

In light of the aforementioned constraints and requirements, the RAPA teams should aim to collect the following categories of information related to LAEEs by the end of the data collection exercise. As previously discussed, some categories of data may only be available in some of the datasets.

- Offender socio-demographic background
  - Gender
  - Age
  - Age at time of first terrorist offence
  - Place of birth (location and town size)
  - Residence at time of event
  - Community characteristics at time of event

- o Citizenship

- o Family status (offender marital status; children; parents' marital status)

- o Details of education status (highest level; notable achievements)

- o Occupation

- o Military experience and status (details of military experience, if applicable)

- o Criminal convictions and prison history

- o Ideological/political affiliation

- o Religious background

- o Level of practice

- o Substance abuse history

- o Mental health history

- o Cognitive-behavioural indicators (e.g. self-control, impulsivity)

- Social networks/exposure to radicalising influence

  - o Details of links to political, social or religious movements or organisations

  - o Contact with movements or organisation (remote or face-to-face)

  - o Participation in public political, social or religious events

  - o Frequency of contact, if relevant

  - o Reason for interrupting contact, if relevant

  - o Kin or spouse involved in political, social or religious movements

  - o Kin or spouse criminal history

  - o Settings and communities (characteristics of locations and communities were radicalising relationships were formed or unfolded, or where other types of radicalising exposure took place)

- Behavioural antecedents and attack planning

  - o Public and private statements of intention

  - o Content of statements

- Access to political or religious propaganda materials

- Access to relevant training manuals (e.g. technical or cognitive resources)

- Weapons acquisition

- Displays of anger

- Attempts to recruit others

- Pre-attack warning and timescale

- Conversion or other moral change

- Change in employment status

- Change in educational status

- Change in physical appearance

- Other personally significant antecedent event(s)

- Travel abroad prior to attack (if so, details of where and why)

- Training prior to attack (if so, details of training activities)

- Change in social connections (e.g. kinship, friendship links)

- Evidence of hostile reconnaissance or intelligence gathering

- Social media involvement (e.g. forums)

- Reported changes in behaviour prior to attack/attempted attack

- Experience(s) of (perceived) discrimination/prejudice/victimisation prior to attack

- Experience of financial difficulties

- Evidence of substance abuse during the preparatory period

- Evidence of mental health issues during the preparatory period

- Details of interruption of preparation (e.g. arrest prior to attack)

- Other behavioural changes (e.g. attempts to conceal activities)

- Attack planning settings (locations involved in activities listed above)

- Order and timing of attack preparation steps

- Details of attack event

    o Nature of target(s) (e.g. people or property; nature of property)

    o Location of target(s)

    o Target environnent (e.g. urban)

    o Timing of attack

    o Nature of attack

    o Details of casualties

    o Details of weapon(s) used

    o Details of other tools use, if any

    o Security measures at target (e.g. CCTV, bollards, security guards)

    o Individual transport to target

    o Individual prior knowledge of target

    o Target approach and entry

    o Behaviour inside target

    o Behaviour in response to victim resistance, if any

    o Length of attack from start to end

    o Evidence that attack was opportunistic (i.e. no or minimal preparation)

    o Getaway

    o Conditions under which attack was aborted, if relevant

    o Details of attack disruption, if relevant

    o Details of individual arrest/capture, if relevant

- Post-attack events

    o Timespan between attack and arrest

    o Attack claims, if relevant

    o Evidence of moral change post attack

    o Evidence of intention to carry out other attacks

      o Outcome of legal proceedings, if any

To ensure that the required information is extracted out of what may be large and disparate databases and data sources, the use of standardised data collection instruments was agreed.

The codebook used to produce the original large-N dataset assembled by Gill and colleagues and the additional database of LAEEs from Israel and the Occupied Territories is included for reference in Appendix A. Extensions (new codebook questions) are to be included in the WP5 deliverables following the Reassessment of Data Needs milestone (MS10), as new questions will be best informed by preliminary data collection activities in each phase.

The data collection timeline instruments devised for the medium-N datasets for Radicalisation, Attack Preparation and Attack are included in Appendices B, C and D. Details regarding the design and use of these instrument will be found in the WP5 deliverables.

3.4 Data sources

The different requirements of the three datasets mean that different kind of data sources need to be drawn upon, some public and some requiring privileged access. Although all these avenues are being pursued by the RAPA scripting teams, realistically, it is understood that some sources are more likely to be accessed than others with the project's lifetime.

For the purpose of data collection, SMEs are defined as individuals with primary knowledge of LAEEs, lone-actor extremists, or supportive social ecologies, as opposed to individuals with secondary knowledge of these things (e.g. academics who study LAEEs).

- *Large-N dataset*

  o Open sources (e.g. media; public governmental reports)

  o Public databases (e.g. Israel's Prime Minister's Office)

- *Medium-N dataset*

  o Open sources

  o Police files

  o Court files

- o Interviews with SMEs (e.g. police investigators)

- *Small-N dataset*
  - o Open sources

  - o Police files

  - o Court files

  - o Interviews with SMEs

  - o Interviews with community members

  - o Interviews with kin or relations of convicted lone actors

  - o Interviews with convicted lone actors

4. Conclusions and future steps

The present document describes the categories of data, which should aim to be collected by the PRIME research teams involved in subscripting the phases of LAEEs.

The corresponding data collection activities are already under way, though given issues of access not all are proceeding at the same speed or with the same likelihood of success.

The next step will be, therefore, to assess the data actually collected by the RAPA scripting teams against the data needs outlined in the present document (MS10 "Reassessment of Data Needs") and to produce an inventory of the data actually collected by Month 16 (D5.1; D5.2; D5.3), in order to 1) identify any data gaps which need to be addressed as the project progresses into its second half and 2) inform the expansion of the Large-N codebook and a second wave of data collection.

Appendix A – Gill et al Large-N Codebook (Original)

International Center for the Study of Terrorism Lone Actor Codebook

Coder Name:

LONE ACTOR SOCIO-DEMOGRAPHIC VARIABLES

1. Individual's Full Name:

2. Did the Individual have any known aliases? Aliases include alternate names, as well as alternate spellings of the name listed above
    1 [   ] No
    2 [   ] Yes
    88 [   ] Unknown

    If Yes, please list:

3. Gender:
    1 [   ] Male
    2 [   ] Female
    88 [   ] Unknown

4. Date of Birth:
    _ _ / _ _ / _ _   (mm/dd/yyyy)

5. Age of First Terrorist Activity:
    Age in Years:
    88 [   ] Unknown

6. Age Group of First Terrorist Activity
    88 [   ] – Unknown
    1 [   ] – Under 18
    2 [   ] – 18-20
    3 [   ] – 21-23
    4 [   ] – 24-26
    5 [   ] – 27-29
    6 [   ] – 30+

7. Place of Birth:
    1 [   ] USA: City, State:
    2 [   ] Non-USA: City, Country:
    88 [   ] Unknown

8. Citizenship:
    1 [   ] United States
    2 [   ] Other *please specify*
    88 [   ] Unknown

9. Town Size:
    88 [　] Unknown
    1　[　] Under 1,000
    2　[　] 1000-2000
    3　[　] 2001-5000
    4　[　] 5001-10000
    5　[　] 10001-20000
    6　[　] 20001-50000
    7　[　] 50001-100000
    8　[　] 100000+

10. Town size of last known address:
    88 [　] Unknown
    1　[　] Under 1,000
    2　[　] 1000-2000
    3　[　] 2001-5000
    4　[　] 5001-10000
    5　[　] 10001-20000
    6　[　] 20001-50000
    7　[　] 50001-100000
    8　[　] 100000+

11. Individual's Marital Status at time of offense:
    1　[　] Single (never married)
    2　[　] Partnered (boyfriend/girlfriend)
    3　[　] Married
    4　[　] Separated
    5　[　] Divorced
    6　[　] Widowed
    7　[　] Other, *please specify*:
    88 [　] Unknown

12. What is the marital status of the individual's parents?
    1　[　] Never Married
    2　[　] Married
    3　[　] Separated
    4　[　] Divorced
    5　[　] Widowed
    6　[　] Other, *please specify*:
    88 [　] Unknown

13. Did the individual have any children at the time of the offense?
    1　[　] No
    2　[　] Yes; *please specify how many*:
    88 [　] Unknown

14. Highest Level of Education Achieved by the Individual?
   1 [ ] No high school
   2 [ ] Some High School
   3 [ ] Completed/Graduated High School
   4 [ ] GED
   5 [ ] Attended accredited community or trade college without completing a degree
   6 [ ] Completed a degree from a community of trade college
   7 [ ] Attended an accredited 4-year college, but did not complete a degree
   8 [ ] Completed an undergraduate/baccalaureate degree
   9 [ ] Attended an accredited graduate school but did not complete a degree
   10 [ ] Completed an accredited Master's degree
   11 [ ] Completed an accredited doctoral degree
   88 [ ] Unknown
   99 [ ] None- no known formal education

15. Does the individual have University Experience?
   1 [ ] No (if checked one of sections 1-6, 99, from the previous question)
   2 [ ] Yes (if checked one of sections 7-11 from the previous question)
   88 [ ] Unknown (if checked section 88 in the previous question)

16. Does the Individual have any Exceptional Academic Achievement (e.g., high IQ)?
   1 [ ] No
   2 [ ] Yes: *please list:*
   88 [ ] Unknown

17. What is the occupation of the individual?

18. What is the category that fits the individual's occupation?
   0 [ ] Unemployed
   1 [ ] Student
   2 [ ] Service Industry
   3 [ ] Professional
   4 [ ] Construction
   5 [ ] Clerical/Sales/Admin
   6 [ ] Agriculture
   7 [ ] Other: *please specify*:
   88 [ ] Unknown

19. Year of First Terror Activity:

20. Years Active:

21. Does the individual have any previous military experience?
   1 [ ] No
   2 [ ] No (due to being rejected)

3　[　] Yes
88 [　] Unknown

22. Was the individual in the military at the time of the incident?
    1　[　] No
    2　[　] Yes
    88 [　] Unknown
    99 [　] Not Applicable: Individual was never in the Military

    If NO, please skip to Question 23

23. How many years of military experience does the individual have?
    Number in Years:
    88 [　] Unknown

24. Does the individual have combat experience?
    1　[　] No
    2　[　] Yes
    88 [　] Unknown

25. Does the individual have any previous criminal convictions?
    1　[　] No
    2　[　] Yes
    88 [　] Unknown

    If yes, please elaborate:

26. Was the individual ever arrested as a juvenile?
    1　[　] No
    2　[　] Yes
    88 [　] Unknown

27. Was the individual was previously imprisoned?
    1　[　] No
    2　[　] Yes
    88 [　] Unknown

    If yes, was it during the time that the individual first espoused a violent extremist ideology?

28. Was the individual's ideological orientation that inspired these actions easily identifiable?
    1　[　] No
    2　[　] Yes
    88 [　] Unknown

29. What was the ideological orientation of the individual?

1   [   ] Nationalist
2   [   ] Left Wing
3   [   ] Right Wing
4   [   ] Single-Issue (e.g., anti-abortion, environmentalist, etc)
5   [   ] Religious
6   [   ] Other: *please specify*:
88 [   ] Unknown

30. What was the religion of the individual?
    1   [ ] Christian
    2   [ ] Muslim
    3   [ ] Hindu
    4   [ ] Buddhist
    5   [ ] Sikhs
    6   [ ] Jewish
    7   [ ] Agnostic
    8   [ ] Atheist
    9   [ ] Other *Specify*
    10 [ ] Unknown

ANTECEDENT EVENT FALL VARIABLES

1. Did the individual produce letters or public statements prior to the event?
   1   [ ] No
   2   [ ] Yes
   88 [ ] Unknown

2. Did the individual make verbal statements to family or friends about his or her intent or beliefs prior to the event?
   1   [ ] No
   2   [ ] Yes
   88 [ ] Unknown

3. Did the individual make verbal statements to a wider audience prior to the event?
   1   [ ] No
   2   [ ] Yes
   88 [ ] Unknown

4. Did at least one other person know about the individual's grievance prior to the event?
   1   [ ] No
   2   [ ] Yes
   88 [ ] Unknown

5. Did at least one other person know about the individual's extremist ideology prior to the event?

1 [ ] No
2 [ ] Yes
88 [ ] Unknown

6. Did the individual provide a specific pre-event warning?
1 [ ] No
2 [ ] Yes
88 [ ] Unknown

7. Did the individual change addresses prior to the event?
1 [ ] No
2 [ ] Yes
88 [ ] Unknown

If yes, when did it occur?
1 [ ] Less than 6 months
2 [ ] Less than 1 year
3 [ ] Less than 2 years
4 [ ] Less than 3 years
5 [ ] Less than 4 years
6 [ ] Less than 5 years

8. Did the individual's ideological orientation change prior to the event?
1 [ ] No
2 [ ] Yes
88 [ ] Unknown

If yes, when did it occur?
1 [ ] Less than 6 months
2 [ ] Less than 1 year
3 [ ] Less than 2 years
4 [ ] Less than 3 years
5 [ ] Less than 4 years
6 [ ] Less than 5 years

9. Did the individual's ideological orientation intensify before the event?
1 [ ] No
2 [ ] Yes
88 [ ] Unknown

If yes, when did it occur?
1 [ ] Less than 6 months
2 [ ] Less than 1 year
3 [ ] Less than 2 years
4 [ ] Less than 3 years
5 [ ] Less than 4 years

6 [ ] Less than 5 years

10. Did the individual's religious beliefs change prior to the event?
1 [ ] No
2 [ ] Yes *expand*
88 [ ] Unknown

If yes, when did it occur?
1 [ ] Less than 6 months
2 [ ] Less than 1 year
3 [ ] Less than 2 years
4 [ ] Less than 3 years
5 [ ] Less than 4 years
6 [ ] Less than 5 years

11. Did the individual's religious beliefs intensify before the event?
1 [ ] No
2 [ ] Yes
88 [ ] Unknown

If yes, when did it occur?
1 [ ] Less than 6 months
2 [ ] Less than 1 year
3 [ ] Less than 2 years
4 [ ] Less than 3 years
5 [ ] Less than 4 years
6 [ ] Less than 5 years

12. Did the individual become recently unemployed?
1 [ ] No
2 [ ] Yes
88 [ ] Unknown

If yes, when did it occur?
1 [ ] Less than 6 months
2 [ ] Less than 1 year
3 [ ] Less than 2 years
4 [ ] Less than 3 years
5 [ ] Less than 4 years
6 [ ] Less than 5 years

13. Was there a recent death in the individual's family?
1 [ ] No
2 [ ] Yes
88 [ ] Unknown

If yes, when did it occur?
1 [ ] Less than 6 months
2 [ ] Less than 1 year
3 [ ] Less than 2 years
4 [ ] Less than 3 years
5 [ ] Less than 4 years
6 [ ] Less than 5 years

14. Did the individual recently drop out of school/university?
1 [ ] No
2 [ ] Yes
88 [ ] Unknown

If yes, when did it occur?
1 [ ] Less than 6 months
2 [ ] Less than 1 year
3 [ ] Less than 2 years
4 [ ] Less than 3 years
5 [ ] Less than 4 years
6 [ ] Less than 5 years

15. Did the individual clear out his/her bank accounts prior to the event?
1 [ ] No
2 [ ] Yes
88 [ ] Unknown

If yes, when did it occur?
1 [ ] Less than 6 months
2 [ ] Less than 1 year
3 [ ] Less than 2 years
4 [ ] Less than 3 years
5 [ ] Less than 4 years
6 [ ] Less than 5 years

16. Did the individual pay off debts prior to the event?
1 [ ] No
2 [ ] Yes
88 [ ] Unknown

If yes, when did it occur?
1 [ ] Less than 6 months
2 [ ] Less than 1 year
3 [ ] Less than 2 years
4 [ ] Less than 3 years
5 [ ] Less than 4 years
6 [ ] Less than 5 years

17. Did the individual seek legitimization from leading religious, political, social or civic leaders prior to the event?
    1 [ ] No
    2 [ ] Yes
    88 [ ] Unknown

18. Did the individual previously engage in fundraising or financial/donations to a legal network?
    1 [ ] No
    2 [ ] Yes
    88 [ ] Unknown

19. Did the individual previously engage in fundraising or financial/donations to an illegal network?
    1 [ ] No
    2 [ ] Yes
    88 [ ] Unknown

20. Was there a proximate upcoming life change? (e.g., deployment to Iraq)
    1 [ ] No
    2 [ ] Yes: *please record:*
    88 [ ] Unknown

21. Did the individual alter his/her physical appearance prior to the event?
    1 [ ] No
    2 [ ] Yes
    88 [ ] Unknown

22. Is there evidence of the individual denouncing others who share the same ideology?
    1 [ ] No
    2 [ ] Yes
    88 [ ] Unknown

23. Did the individual live alone at the time of the event?
    1 [ ] No
    2 [ ] Yes
    88 [ ] Unknown

24. Was the individual living away from home at the time of the 'radicalization'/adoption of the new ideology?
    1 [ ] No
    2 [ ] Yes

88 [   ] Unknown

25. Did the individual receive hands on training for the event?
    1 [   ] No
    2 [   ] Yes
    88 [   ] Unknown

26. Did the individual travel abroad to engage in preparatory activities?
    1 [   ] No
    2 [   ] Yes *When/Where?*
    88 [   ] Unknown

27. Did the individual learn through virtual sources?
    1 [   ] No
    2 [   ] Yes
    88 [   ] Unknown

28. Did the individual have a history of substance abuse?
    1 [   ] No
    2 [   ] Yes
    88 [   ] Unknown

29. Did the individual have a history of mental illness?
    1 [   ] No
    2 [   ] Yes
    88 [   ] Unknown

    If yes, what treatment did the individual receive?

30. Was the individual isolated socially?
    1 [   ] No
    2 [   ] Yes
    88   ] Unknown

31. Did the individual engage in dry-runs?
    1 [   ] No
    2 [   ] Yes
    88 [   ] Unknown

32. Was there evidence of bomb-making manuals in the individual's home?
    1 [   ] No
    2 [   ] Yes
    88 [   ] Unknown

33. Did the individual recently join a wider group/organization/movement?
    1 [   ] No

2 [ ] Yes
88 [ ] Unknown

34. Did the individual become recently exposed to new media?
    1 [ ] No
    2 [ ] Yes
    88 [ ] Unknown

35. Was there a reported change in the individuals' work performance in the six months before the event?
    1 [ ] Significantly worsened
    2 [ ] Significantly improved
    3 [ ] Remained stable (no change in work performance)
    88 [ ] Unknown
    99 [ ] Does Not Apply (offender not employed during this timeframe)

    If so, when did it occur?
    1 [ ] Less than 6 months
    2 [ ] Less than 1 year
    3 [ ] Less than 2 years
    4 [ ] Less than 3 years
    5 [ ] Less than 4 years
    6 [ ] Less than 5 years

36. Was there a reported significant work-related loss or stressor before the event? (e.g. demotion, disciplined, conflict)
    1 [ ] No
    2 [ ] Yes
    88 [ ] Unknown
    99 [ ] Not Applicable (e.g., Individual was not employed)

    If so, when did it occur?
    1 [ ] Less than 6 months
    2 [ ] Less than 1 year
    3 [ ] Less than 2 years
    4 [ ] Less than 3 years
    5 [ ] Less than 4 years
    6 [ ] Less than 5 years

37. Was there a reported change in the individuals' academic performance before the event?
    1 [ ] Significantly worsened
    2 [ ] Significantly improved
    3 [ ] Remained stable (no change in work performance)

88 [   ] Unknown
99 [   ] Does Not Apply (offender not employed during this timeframe)

If so, when did it occur?
1   [   ] Less than 6 months
2   [   ] Less than 1 year
3   [   ] Less than 2 years
4   [   ] Less than 3 years
5   [   ] Less than 4 years
6   [   ] Less than 5 years

38. Did there appear to be a 'tipping point' in the progression of the grievance that
    precipitated the offender's movement on a pathway to engage in terrorist activities?
    1   [   ] No
    2   [   ] Yes *Please Describe*
    88 [   ] Unknown

39. Did the individual increase levels of physical activity or outside excursions in the prior to
    the event (e.g., gym work, paintballing)?
    1   [   ] No
    2   [   ] Yes
    88 [   ] Unknown

    If so, when did it occur?
    1   [   ] Less than 6 months
    2   [   ] Less than 1 year
    3   [   ] Less than 2 years
    4   [   ] Less than 3 years
    5   [   ] Less than 4 years
    6   [   ] Less than 5 years

ANTECEDENT EVENT SPRING VARIABLES

1. In the build up to the event, was the individual interrupted in working on a proximate
    goal?
    1   [   ] No
    2   [   ] Yes
    88 [   ] Unknown

    If yes, when did it occur?
    1   [   ] Less than 6 months
    2   [   ] Less than 1 year
    3   [   ] Less than 2 years

4 [ ] Less than 3 years
5 [ ] Less than 4 years
6 [ ] Less than 5 years

2. In the build up to the event, did the individual experience being degraded?
1 [ ] No
2 [ ] Yes
88 [ ] Unknown

If yes, when did it occur?
1 [ ] Less than 6 months
2 [ ] Less than 1 year
3 [ ] Less than 2 years
4 [ ] Less than 3 years
5 [ ] Less than 4 years
6 [ ] Less than 5 years

3. In the build up to the event, did the individual experience being the target of an act of prejudice or unfairness?
1 [ ] No
2 [ ] Yes
88 [ ] Unknown

If yes, when did it occur?
1 [ ] Less than 6 months
2 [ ] Less than 1 year
3 [ ] Less than 2 years
4 [ ] Less than 3 years
5 [ ] Less than 4 years
6 [ ] Less than 5 years

4. In the build up to the event, did the individual experience being lied to or having a promise broken?
1 [ ] No
2 [ ] Yes
88 [ ] Unknown

If yes, when did it occur?
1 [ ] Less than 6 months
2 [ ] Less than 1 year
3 [ ] Less than 2 years
4 [ ] Less than 3 years
5 [ ] Less than 4 years
6 [ ] Less than 5 years

5. In the build up to the event, did the individual experience being disrespected?

1   [   ] No
2   [   ] Yes
88 [   ] Unknown

If yes, when did it occur?
1   [   ] Less than 6 months
2   [   ] Less than 1 year
3   [   ] Less than 2 years
4   [   ] Less than 3 years
5   [   ] Less than 4 years
6   [   ] Less than 5 years

6.   In the build up to the event, did the individual experience being ignored or treated poorly by someone important to them?

1   [   ] No
2   [   ] Yes
88 [   ] Unknown

If yes, when did it occur?
1   [   ] Less than 6 months
2   [   ] Less than 1 year
3   [   ] Less than 2 years
4   [   ] Less than 3 years
5   [   ] Less than 4 years
6   [   ] Less than 5 years

7.   In the build up to the event, did the individual experience being harmed due to negligence of another?
1   [   ] No
2   [   ] Yes
88 [   ] Unknown

If yes, when did it occur?
1   [   ] Less than 6 months
2   [   ] Less than 1 year
3   [   ] Less than 2 years
4   [   ] Less than 3 years
5   [   ] Less than 4 years
6   [   ] Less than 5 years

8.   In the build up to the event, did the individual experience someone important demonstrating they do not care about the individual?
1   [   ] No
2   [   ] Yes
88 [   ] Unknown

If yes, when did it occur?
1 [ ] Less than 6 months
2 [ ] Less than 1 year
3 [ ] Less than 2 years
4 [ ] Less than 3 years
5 [ ] Less than 4 years
6 [ ] Less than 5 years

9. In the build up to the event, did the individual experience being the victim of verbal or physical assault?
1 [ ] No
2 [ ] Yes
88 [ ] Unknown

If yes, when did it occur?
1 [ ] Less than 6 months
2 [ ] Less than 1 year
3 [ ] Less than 2 years
4 [ ] Less than 3 years
5 [ ] Less than 4 years
6 [ ] Less than 5 years

10. In the build up to the event, did the individual experience being a helpless victim?
1 [ ] No
2 [ ] Yes
88 [ ] Unknown

If yes, when did it occur?
1 [ ] Less than 6 months
2 [ ] Less than 1 year
3 [ ] Less than 2 years
4 [ ] Less than 3 years
5 [ ] Less than 4 years
6 [ ] Less than 5 years

11. In the build up to the event, did the individual experience problems with personal relationships?
1 [ ] No
2 [ ] Yes
88 [ ] Unknown

If yes, when did it occur?
1 [ ] Less than 6 months
2 [ ] Less than 1 year
3 [ ] Less than 2 years

4 [ ] Less than 3 years
5 [ ] Less than 4 years
6 [ ] Less than 5 years

12. In the build up to the event, did the individual experience financial problems?
    1 [ ] No
    2 [ ] Yes
    88 [ ] Unknown

    If yes, when did it occur?
    1 [ ] Less than 6 months
    2 [ ] Less than 1 year
    3 [ ] Less than 2 years
    4 [ ] Less than 3 years
    5 [ ] Less than 4 years
    6 [ ] Less than 5 years

13. Was the individual angry leading up to the event?
    1 [ ] No
    2 [ ] Yes
    88 [ ] Unknown

    If yes, when did it occur?
    1 [ ] Less than 6 months
    2 [ ] Less than 1 year
    3 [ ] Less than 2 years
    4 [ ] Less than 3 years
    5 [ ] Less than 4 years
    6 [ ] Less than 5 years

14. Is there evidence this anger was escalating?
    1 [ ] No
    2 [ ] Yes *How so?*
    88 [ ] Unknown

15. Did the individual express a desire to hurt others?
    1 [ ] No
    2 [ ] Yes
    88 [ ] Unknown

16. Was the individual recently under an elevated level of stress?
    1 [ ] No
    2 [ ] Yes
    88 [ ] Unknown

    If so, when did it occur?

1 [   ] Less than 6 months
2 [   ] Less than 1 year
3 [   ] Less than 2 years
4 [   ] Less than 3 years
5 [   ] Less than 4 years
6 [   ] Less than 5 years

17. Did the individual recently experience:
    1 [   ] Changes in their Financial Situation
    2 [   ] Changes in their Relationships (family, friends and intimate)
    3 [   ]
    4 [   ] Other (an injury, living situation, etc)
    88 [   ] Unknown

18. Were there any long-term sources of stress in the individual's life?
    1 [   ] No
    2 [   ] Yes
    88 [   ] Unknown

19. How did the individual cope with stress?
    1 [   ] Adaptive/Functional
    2 [   ] Maladaptive/Dysfunctional
    88 [   ] Unknown

20. Did the individual travel abroad to engage in preparatory activities?
    1 [   ] No
    2 [   ] Yes
    88 [   ] Unknown

    If No, Skip to Question 14

21. How many trips did the individual make?

22. Where did the individual go?

Domestic Locations	Foreign Locations

23. How long before the event did these occur?
    1 [   ] Less than 6 months
    2 [   ] Less than 1 year
    3 [   ] Less than 2 years

4 [ ] Less than 3 years
5 [ ] Less than 4 years
6 [ ] Less than 5 years

24. Did the individual use drugs or alcohol just before the act?
1 [ ] No
2 [ ] Yes
88 [ ] Unknown

25. Did the individual engage in any form of violent behavior previous to this terrorist event?
1 [ ] No
2 [ ] Yes
88 [ ] Unknown

26. Did the individual target
1 [ ] People
2 [ ] Property
3 [ ] Both
88 [ ] Unknown

27. What was the nature of the attack location?
1 [ ] Government
2 [ ] Business
3 [ ] Private Citizens
4 [ ] Religious
5 [ ] Military
6 [ ] Other *Specify*
88 [ ] Unknown

28. Was the location of the attack:
1 [ ] Public
2 [ ] Private
88 [ ] Unknown

29. Did the individual own a vehicle?
1 [ ] No
2 [ ] Yes
88 [ ] Unknown

30. How did the individual get to the scene of the attack?
1 [ ] Personal vehicle
2 [ ] Public transportation
3 [ ] Foot
4 [ ] Other *specify*
88 [ ] Unknown

31. Did the individual have a history with the location of the attack?
    1 [ ] No
    2 [ ] Yes
    88 [ ] Unknown

32. What time did the attack occur?

33. Did the individual have a stockpile of weapons?
    1 [ ] No
    2 [ ] Yes
    88 [ ] Unknown

34. How did the individual obtain the weapon(s) used in the attack?

35. Did the individual exhibit behavior that was contradictory to his or her ideology? 1 [ ]
    No
    2 [ ] Yes *Elaborate*
    88 [ ] Unknown

36. Did the individual seem obsessed with one specific event or phenomena?
    1 [ ] No
    2 [ ] Yes *What?*
    88 [ ] Unknown

37. If the individual was arrested prior to the event, how was the individual caught? (Feel
    free to tick multiple boxes)
    1 [ ] Spouse/Neighbor/Co-worker/etc. alerted authorities
    2 [ ] Individual was monitored by authorities (i.e., authorities used undercover tactics
    to track individual and monitor individual's actions/communication leading up to the
    event, etc.)
    3 [ ] Individual was caught in moments prior to event due to malfunction in
    technology/weapons/explosives or execution of event
    4 [ ] Other *Specify*
    88 [ ] Unknown
    99 [ ] Not Applicable

38. If the individual was arrested post event, how was the individual caught?
    1 [ ] Spouse/Neighbor/Co-worker/etc. alerted authorities
    2 [ ] Individual was unable to get away from the location of the event
    3 [ ] Authorities were able to use evidence from the event to arrest the individual
    4 [ ] Individual turned himself in to authorities
    5 [ ] Other *Specify*
    88 [ ] Unknown
    99 [ ] Not Applicable

39. If the individual was arrested post event, what was the time length between the event and the arrest of the individual?

40. Did the individual express remorse/regret following the event?
    1 [ ] No
    2 [ ] Yes
    88 [ ] Unknown
    99 [ ] Not Applicable

41. Did the individual change his/her /beliefs following the event?
    1 [ ] No
    2 [ ] Yes
    88 [ ] Unknown
    99 [ ] Not Applicable

42. Was insanity suggested or pursued during the course of the individual's trial?
    1 [ ] No
    2 [ ] Yes
    88 [ ] Unknown
    99 [ ] NA

EVENT VARIABLES

1. Was a violent attack carried out?
    1 [ ] No
    2 [ ] Yes
    88 [ ] Unknown

    If no: was there a violent attack planned?

2. Was the capability of a violent attack apparent?
    1 [ ] No
    2 [ ] Yes
    88 [ ] Unknown

3. What type of attack was it? (e.g., bomb, shooting, etc)

4. Were there multiple attack methods used?
    1 [ ] No
    2 [ ] Yes
    88 [ ] Unknown

If yes, please check each used:
1 [ ] Armed Assault
2 [ ] Assassination
3 [ ] Bombing/Explosion
4 [ ] Facility/Infrastructure Attack
5 [ ] Hijacking
6 [ ] Hostage Taking (Barricade Incident)
7 [ ] Hostage Taking (Kidnapping)
8 [ ] Unarmed Assault
9 [ ] Other: *please specify:*

5. In the case of IED events, was there multiple IEDs or IED components used across these attacks?

6. What was the target of the event?

7. What group does the target belong to?
   1 [ ] Government
   2 [ ] Business
   3 [ ] Private citizen
   88 [ ] Unknown
   99 [ ] Other *Please Specify*

8. Was the target discriminate or non-discriminate?
   1 [ ] Non-Discriminate
   2 [ ] Discriminate
   88 [ ] Unknown

9. Did the Individual Produce Letters/Public Statements Post Event?
   1 [ ] No
   2 [ ] Yes
   88 [ ] Unknown

10. What was the time difference between the initial planning stages and the execution of the event?

11. What was the distance between the individual's homeplace and the location of the event? *(Please use GPSVisualizer: http://www.gpsvisualizer.com/)*

12. In the case of a getaway, did it appear planned or opportunistic?
    1 [ ] Planned
    2 [ ] Opportunistic
    88 [ ] Unknown
    99 [ ] Not Applicable (no getaway)

13. Were there multiple events?

1 [   ] No
2 [   ] Yes
88 [   ] Unknown

If NO or UNKNOWN, please Skip to Question 16

14. In the case of multiple events, did the targets change?
1 [   ] No
2 [   ] Yes
88 [   ] Unknown

15. In the case of multiple events, what was the time span between the first and last event?

16. In the case of multiple events, what was the average time span between each event?

17. Did the individual change appearance specifically for the event?
1 [   ] No
2 [   ] Yes
88 [   ] Unknown

18. Total Numbers Killed:

19. Total Numbers Injured:

NETWORK VARIABLES

1. Were any of the individual's family or close associates known to have been involved in political violence or criminality?
1 [   ] No
2 [   ] Yes
88 [   ] Unknown

2. Was the individual's spouse/partner part of a wider movement?
1 [   ] No
2 [   ] Yes
88 [   ] Unknown
99 [   ] Not Applicable (e.g., individual is single)

3. Did the individual interact face-to-face with members of a wider network?
1 [   ] No
2 [   ] Yes
88 [   ] Unknown

4. Did the individual interact virtually with members of a wider network?
1 [   ] No
2 [   ] Yes

88 [   ] Unknown

5. Were there other individuals involved in procuring the weaponry/technology used in the event (but who did not take part in the event themselves)?
    1   [   ] No
    2   [   ] Yes
    88 [   ] Unknown

6. In the case of an IED event, were there other individuals involved in assembling the device?
    1   [   ] No
    2   [   ] Yes
    88 [   ] Unknown

7. Did at least one other person know about the individual's research, planning and/or preparation prior to the event?
    1   [   ] No
    2   [   ] Yes
    88 [   ] Unknown

8. Is there evidence that there may have been command and control links with others in this event?
    1   [   ] No
    2   [   ] Yes
    88 [   ] Unknown

9. If the individual was previously a member of a wider network, how much time had elapsed between disengagement and the event?

10. Did the individual try to recruit others or form a group prior to the event?
    1   [   ] No
    2   [   ] Yes
    88 [   ] Unknown

    If so, when did it occur?
    1   [   ] Less than 6 months
    2   [   ] Less than 1 year
    3   [   ] Less than 2 years
    4   [   ] Less than 3 years
    5   [   ] Less than 4 years
    6   [   ] Less than 5 years

11. Did the individual claim to be part of a wider group/movement or characterize the actions as a group/social movement?
    1   [   ] No
    2   [   ] Yes

88 [　] Unknown

12. Was there evidence to suggest that the individual read or consumed literature/propaganda from a wider movement?
    1　[　] No
    2　[　] Yes
    88 [　] Unknown

13. Was there evidence to suggest that the individual read literature or materials about other lone actor terrorists?
    1　[　] No
    2　[　] Yes
    88 [　] Unknown

14. Was there evidence to suggest that the individual read the propaganda of other lone actor terrorists?
    1　[　] No
    2　[　] Yes
    88 [　] Unknown

15. Did the individual join a group or wider movement post-event?
    1　[　] No
    2　[　] Yes
    88 [　] Unknown

16. Did the individual produce his/her own propaganda?
    1　[　] No
    2　[　] Yes
    88 [　] Unknown

POST-EVENT VARIABLES
1. Was the individual killed in the event?
   1　[　] No
   2　[　] Yes
   88 [　] Unknown

   If yes, how? E.g., Suicide, Killed, etc.

2. Was there evidence to suggest the individual had plans for further attacks (e.g. weaponry found at home etc)?
   1　[　] No
   2　[　] Yes

3. Did the individual provide a public claim or responsibility?
   1　[　] No
   2　[　] Yes

88 [   ] Unknown

4. Was there evidence that the individual possessed materials written by others that publicized his/her actions? (e.g. newspaper stories)
    1 [   ] No
    2 [   ] Yes
    88 [   ] Unknown

5. Arrests: Please list all Arrests in separate rows

Arrests of the Individual		
Date	**Location**	**Charge**
MM/DD/YYYY		

6. Prison Terms: Please list all Convictions in separate rows

Convictions of the Individual		
Date	**Conviction**	**Sentencing**
MM/DD/YYYY		

Appendix B – Medium-N Timeline Instrument (Radicalisation)

Timeline	Background	Previous	Y -5	Y -4	Y -3	Y -2	Y -1	Y 1	
Attack/Attempt/Plot (type), Islamist/rightwing/other, Country, Date	**General Information**: date of birth, age at time of attack, place of birth and upbringing,								
Family Relations / Friendships									
Family situation: Relation to parents/siblings, death of parent/sibling, divorce of parents, changes in relations (estrangement, deterioration/improvement). **Religious/political upbringing:** family members practicing Muslims/Christians. Family members involved in criminal or political activities **Marital status:** Marriage, divorce, children; spouse involved in political activism/wider movement **Friendship Relations**: Relations with friends, schoolmates, cliques **Place of living, hangouts:** Specify places and settings in which life and relations take place									
Education and Work									
Career: Start/change/end school, university, military service, work; unemployment **Performance and workplace-relations**: Sudden drop in performance, work-related stress, conflicts at school or workplace (mobbing, fights, deviant behavior, discipline issues)									
Volunteer/Charity work: Volunteer work in social associations/charities; Membership in sport/social associations **Financial Situation:** Wealthy, own income or supported by family, financial problems									
Travel									
Travel, Migration									
Personal/Psychological Issues									

Personality traits: weak minded, withdrawn, dreamer, angry, aggressive,low toerance, strong minded, narcissistic, loner, weak/strong social skills, antisocial behavior, intolerance of plurality, lack of empath (cognitive/mental risk factors) **Psych./mental health issues**: Depression, diagnosed disorders **Experiences of marginalization, discrimination, victimization:** Mobbing, social marginalization, assault, verbal abuse, physical abuse, sexual abuse, betrayal by reference persons **Behavior**: aggressive, violent, provoking/disrespect towards authorities **Criminal behavior:** Criminal offenses, sentences, imprisonment **Substance abuse**							
Relationships with religious, political, and/or militant activists or groups **Contacts or encounters with political/religious/militant activists**: Meeting or establishing contact. Previous social ties through friendship or family relations (spouse/family member active in movement). Proactive efforts to establish contact? Or chance-encounter? **Place and setting** of encounter. **Personal relationships with political/religious/militant activists**: Friendships, mentor-mentoree, leader-follower relation. Changes in relationships (growing close, estrangement). Later: mentor-role towards others? **Place and setting** of interactions. **Joining/Participating in relig/polit/radical milieu or movement**: frequenting mosques or meeting places, participating in demonstrations or gatherings. Attempts to recruit others to participate. **Place and setting** of milieu/meetings. Specify: **Claimed** link/relation to movement.							

Membership in a religious/political/militant group or organization: becoming involved with or becoming a member of a group or organization. Specific function or status within the organization or group (changes). Participating in meetings and group-activities. Attempts to recruit others to join group. **Place and setting** of group meetings and activities. Specify: **Claimed** link to group **Link/relation to foreign or domestic terrorist organization:** Support in procuring weapons/explosives/funding. Training. Command and control relation. **Place and settin** of interaction. Specify: **Claimed** link.								
Online and media-related activities and relations								
Exposure to and Consumption of religious/political/radical contents, teachings, media on the internet or via other sources. Active research for and consumption of teachings, media, radical "propaganda". Obsessive searching and consumption (time) **Place and setting of exposure/seeking; alone or in company?** **Virtual interaction with wider movement or network** (virtual community): Joining forums/platforms, posting online-content to an abstract audience/wider group. Obsessive? Place and setting. **Personal virtual relations with online-friends:** Contact with online activists and friends, sharing content, communicating/interacting via e-mails or chat-forums. Specify place and setting. **Procure or exchange of directly violence-related content**s (preparation): Bomb manuals, training manuals, target selection								
Political/religious/radical Attitudes								

Indications of religious/political orientation: General orientation, changes (intensifying/radicalizing/de-radicalizaing) in attitudes. Reports on verbal statements, discussions, reactions to certain situations. Changes in daily behavior that indicates orientation (rejecting certain forms of food, interaction with opposite sex, etc). Changes in appearance/attire indicating a change in orientation (clothing, beard/haircuts associated with a certain orientation). **Political or religious identities.** **Indications of radical/violence-related attitudes:** Statements indicating enmity towards specific groups. De-valuation and de-humanization of groups. Justification of violence. Approval of violent acts or organizations. **Radical identities.** **Writings/pamphlets:** Produce own propaganda, political/religious texts/pamphlets.								
Political/religious/radical Actions								
Participation in political/religious activities: religious services, study groups, discussion-groups, meetings, demonstrations, proselytism. Donating or collecting money for political/religious cause. **Specify place and setting.** **Participation in radical/militant and violent actions:** Participation in militant demonstrations/street battes, confrontations with the police or political opponents, participation in acts of symbolic violence/ sabotage/vandalism. Participation in assaults against groups/targets seen as "enemies". **Specify place and setting.** **Military training:** Participating in domestic training activities. Receiving military training abroad. **Specify place and setting.** **Procure weapons or explosives** **Attack Preparations (Logistics)** **Participation in terrorist attacks/irregular warfare.** Abroad or domestic. Specify place **Experiences of persecution/arrest/imprisonment/ extradition/exile** as a result of political/militant activism								
Other								

Appendix C – Medium-N Timeline Instrument (Attack Preparation)

Timeline	Background	Previous	Y -5	Y -4	Y -3	Y -2	Y -1	Attack
Event Summary								
Personal Experience / Background								
Criminal behavior: was the individual involved in **petty crime / felonies / violent crimes?**								
Behavior: did the individual have a history of violent behavior?								
Previous involvement radical/extremist groups: had the individual *in the past* associated with either <u>domestic</u> or <u>foreign</u> radical or extremist groups?								
Previous paramilitary involvement: did the individual participate in a combat role in armed conflict with a violent non-state actor?								
Social Context								
Radical / extremist contacts: did the individual have contacts with radical, extremist or terrorist leaders / authority figures at any point during the planning and preparatory stages?								
Radical / extremist affiliation: did the individual swear fealty or in any other way become recognizably involved with a radical, extremist or terrorist leader, organization or cause? Did the individual try to join a radical/extremist/terrorist group? Can be either foreign or domestic.								
Justification for violence: did the individual receive (implicit) justification or encouragement for the use of violence? Was he or she ordered to commit an attack?								

Assistance: did anyone provide planning or preparation related assistance to the individual? What shape did this assistance take? Were those providing assistance aware their help was to be used for terrorism-related ends?						
Attack Planning						
Genesis: was the (intended) attack a spontaneous / adhoc decision or carefully planned? Can a 'trigger' event be identified? How long did the planning phase last? When did the intention to commit an attack materialize?						
Implementation: did the actual target and the planned target correspond? What kind of information on the target(s) was collected? Was there a concrete plan to guide attack preparation and/or execution? How long did this phase last?						
Constraints: did CT measures, public-support related concerns or external support influence target selection or the planning process?						
Leakage behavior: did the individual express a desire to commit an (as of yet unspecified) attack, either online or in person? Did the individual communicate a wish to become a martyr? Were threats issued?						
Attack Preparation						
Genesis: when did preparatory activities begin? Can a 'trigger' moment be identified?						
Implementation: how long did preparatory activities last? Were preparatory activities conducted in a particular (remote) location?						

Cognitive training: did the individual desensitize him/herself to violence? Was a will or martyr's statement drafted?							
Physical and technical training: did the individual undertake firearms training, (try to) attend an (overseas) paramilitary training camp, etc.?							
Financial preparations: did the individual acquire funds to carry out preparations or the attack?							
Weapons acquisition: did the individual (attempt) to acquire firearms and ammunition? Were these attempts purposeful or opportunistic?							
Explosives acquisition: did the individual (attempt) to acquire or construct explosives? Was laboratory equipment or purchased?							
Leakage behavior: did the individual come into contact with the authorities? Were they aware of his/her terrorist intent at the time of that contact?							
Concealment & OpSec							
Concealment: did the individual use a false name? An online alias? Mutiple phones or SIM cards? Did he or she suddenly begin to display surreptitious behavior?							
Veiled communications: did the individual in question communicate with compatriots in veiled language, use encryption software or other privacy-enhancing means?							
Counterintelligence: did the individual attempt root out informants or double agents? Make last minute changes to meeting places?							

Hiding the evidence: where weapons, explosives and other incriminating evidence stored at a separate (secret) location?						
Post-Preparation Phase						
Absence of activities: did the individual display a sudden drop in plot-related activities upon completing planning and preparatory work?						
Geospatial Characteristics						
Residence: what was the individual's primary (registered) place of residence? **Target:** where were the <u>actual</u> and, if applicable, <u>planned</u> target located? **Planning:** did planning take place at a different location than the residence? Were multiple locations used?						
Preparation: did preparatory activities take place at a different location than the residence? Were multiple locations used? **Paramilitary background:** if the individual was involved in paramilitary training or combat with an NSA in the past, where did this take place? **Concealment:** did the individual attempt to hide evidence? Rent a safe house? If so, where?						
Related Activities						
Related activities: did the individual engage in any activities related to an interest in extremism that were, however, not directly relevant to the planning or preparation of a terrorist attack?						

Appendix D – Medium-N Timeline Instrument (Attack)

Actor Name	Background	Final Preparation	Hour -12	Hour-6	Minutes-60	Minutes-30	Minutes-10	Attack	Attack Minutes 10
Attack/Attempt/Plot (type), Islamist/rightwing/other, Country, Date	**General Information**: date of birth, age at time of attack, place of birth and upbringing, occupation, family background								
Timeline									
Family Relations / Friendships									
Family situation: Family members complicit in attack, awareness of intention.									
Friendship Relations: Friends complicit in attack, or aware of intention.									
Place of living, hangouts: Travelling to attack site, place of safety following attack.									
Education and Work									
Performance and workplace-relations: Workplace location part of attack/planning?									
Financial Situation: Did individual drain finances planning attack? Access to finances in attack.									
Travel									

Travel to location									
Location details									
Overcoming hurdles at location: e.g. barriers, security, access restrictions. Prior reconnaissance .									
Changes to location: e.g. movement of device by others, unexpected changes since reconnaissance, interference of bystanders etc.									
Target									
Intended Target: How target corresponds with ideology and grievance.									
Violence Reasoning in Target Choice: Maximisation of fatalities, links to idology.									
Alteration in planning: Changes to intended target, changes in location, Specify how target movements lead to alterations in attack.									
Political/religious/radical Actions									

Military movements: Use of prior training, military dress, military access to location.									
Weapons or explosives									
Attack Logistics									
Personal/Psychological Issues									
Psychological resiliance and preparations: How individual prepares for impending attack.									
Mental Health issues: Florid psychosis, expression to commit suicide, expression of hopelessness etc.									
Behaviour: aggressive, violent, provoking/disrespect towards others.									
Criminal behavior: External to immediate attack behaviours, e.g. assault on persons attempting to stop attack, parking in illegal areas, running red lights and stop signs on getaway etc.									

Substance abuse									
Relationships with religious,									
Contacts or encounters with political/religious/militant activists: Meeting or establishing contact to finalise attack planning, housing individual from authorities, relaying instructions.									
Personal relationships with political/religious/militant activists: Friendships, mentor-mentoree, leader-follower relation. Interactions leading up to and post attack.									
Joining/Participating in relig/polit/radical milieu or movement: frequenting mosques or meeting places, participating in demonstrations or gatherings. Attempts to recruit others to participate. Place and setting of milieu/meetings. Specify: Claimed link/relation to movement.									

Membership in a religious/political/militant group or organization: becoming involved with or becoming a member of a group or organization. Following group instruction, group removal and condemnation due to attack.									
Link/relation to foreign or domestic terrorist organization: Support in procuring weapons/explosives/funding. Training. Command and control relation. Place and setting of interaction. Specify: Claimed link.									
Use of Proxy: Unwilling/ unaware bystanders or individuals.									
Online and media-related									
Virtual interaction with wider movement or network (virtual community): Finalising planning, group posting 'will' or manifesto, interaction during attack. Specify timing.									
Procure or exchange of directly violence-related contents (attack): Attack related media.									

Political/religious/radical													
Indications of religious/political orientation: Statements espoused during attack, post attack, during trial.													
Indications of radical/violence-related attitudes: Statements espoused during attack, post attack, during trial.													
Writings/pamphlets: Propganda dispersed during attack, during incarceration, at trial.													
Other													

Attack Minutes 30	Attack Hour 1	Attack Hour 6	Attack Hour 12	Attack Hour 24+	Arrest/ Death	Post Arrest M1-4	Post Arrest M5-9	Post Arrest M10-14	Post Arrest M15-19