



STRATEGY
Interoperability for crisis management

ResiStand

RAF Demonstration ResiStand Assessment Framework

Pertti Woitsch / Dirk Stolk
Woitsch Consulting / TNO

19/02/2021

Virtual meeting



- Aim: support organisations or individuals in assessing the **impact** of a possible standardisation project and the **feasibility** of developing and implementing it in the domain of disaster resilience and crisis management
- RAF 2.0 Excel application and guideline are available at: [RAF](#)

RAF structure



STRATEGY
Interoperability for crisis management

- 5 input sheets
- 1 output sheet (A3 size / colour)

Assessment **ResiStand**

Title of the proposed standard: Shortname that characterises the standard
Identification number: Topic - 001

Proposed standardisation activity and its perspectives

Proposing organisations or projects: Organisation or project consortium: Stakeholder category: End users, Industry, Research, Hybrid

Scope of the standard: This standard defines ...

Type of standard: Workshop Agreement

Urgency (when needed?): Moderate (< 2 yrs)

Overall impact: Moderate

Feasibility: Medium

Legend (scores presented in the rectangle):
1st Feasibility: 1=Very low, 2=Low, 3=Medium, 4=High, 5=Very high
2nd Impact: 1=None, 2=Limited, 3=Moderate, 4=Considerable, 5=Great
3rd Urgency: 1=Very limited, 2=Limited, 3=Moderate, 4=High, 5=Very high

Impact

End-users: Improvement of OR and CM capabilities (functions/tasks): Moderate
Improvement of the safety of society: Considerable
Improvement of responder safety: Limited
Cost savings for end-user organisations: None

Industry & Research: Increase of business opportunities: Limited
Improvement of business quality management: Limited
Innovation progress: None
Improvement of business functions: Limited

Feasibility

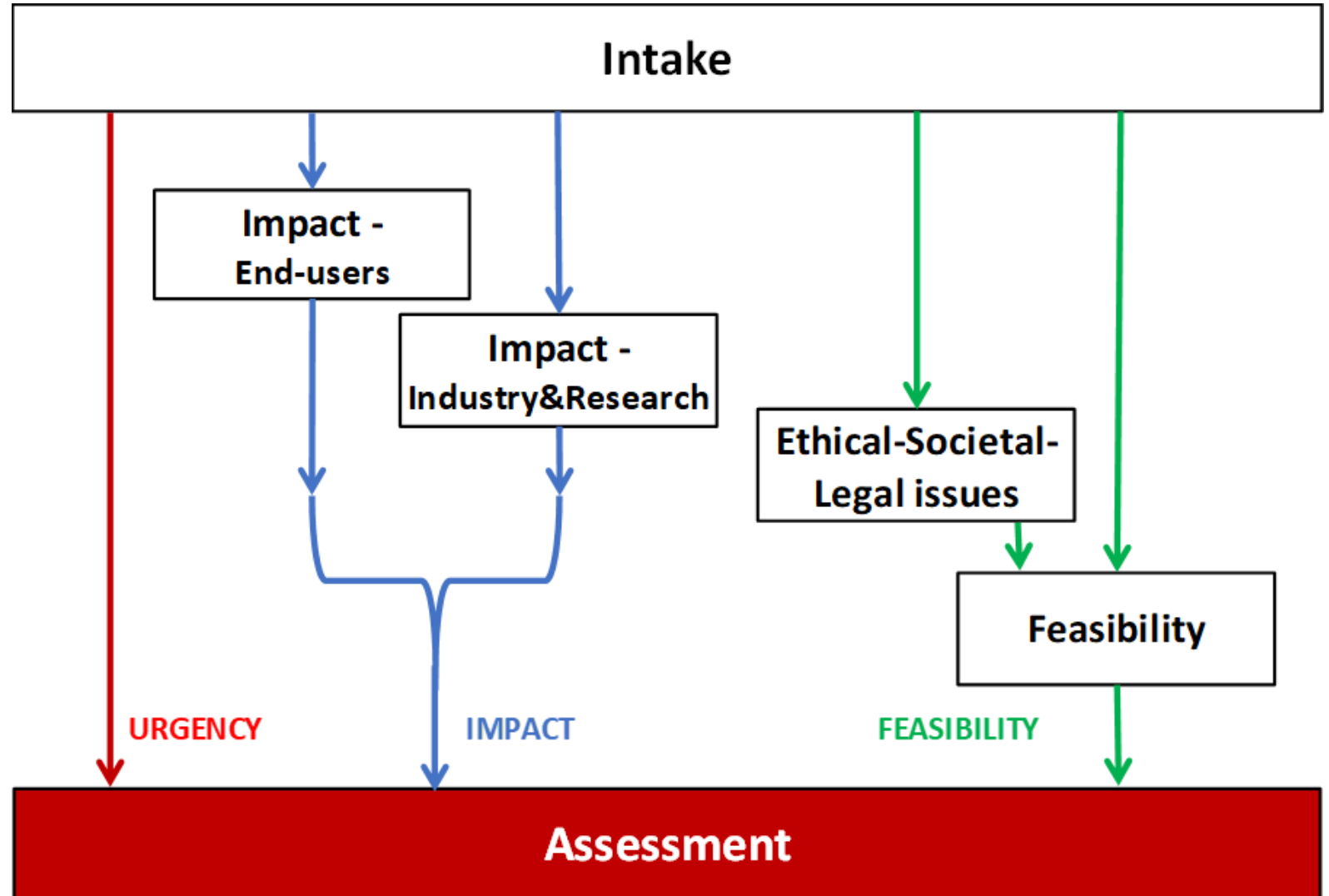
Foundation: Insufficient
Development perspectives: Ample sufficient
Implementation and follow up perspectives: Moderate
Anticipated drawbacks and constraints: Insufficient

Other issues

Potential ethical, social and/or legal effects of the proposed standard: Considerability
Benefits of the standard to types of incident: Technological incidents
Specifically for the following incidents: Explosion, Rail accident

Relevant trends: Trends in society, in incidents, and/or in disaster resilience and crisis management that are typically anticipated by the standard.
Technical and non-technical trends of interest for industry and research that potentially are addressed by the standard.

ResiStand Assessment Framework 2.0 TNO



- Intake: urgency of having a standard
- Impact:
 - Clients / Crisis management end-user community (*improved CM operations*)
 - Suppliers / Industry, SMEs, Research community (*ISO 2.0 value chain*)
- Ethical and legal issues
- Feasibility:
 - Foundation
 - Development perspectives
 - Implementation/follow-up perspectives

ISO 2.0 – Value chain at a glance



STRATEGY
Interoperability for crisis management

Benefits of standards can be identified along the entire company value chain and its external interfaces. They can be quantified in terms of impact on specific operational indicators and converted into financial terms

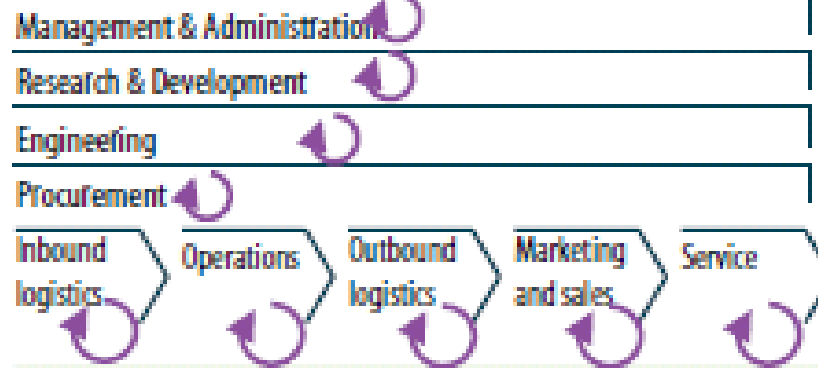
Improved procurement and relations with suppliers

- > Lower transaction cost
- > Consistent quality
- > Transparency
- > Economies of scale



Facilitated inter-action with public stakeholders, regarding compliance (e.g., safety, health, environment)

Easier cooperation with other companies on common basis



Process improvement : increased productivity, reduced waste, consumption of resources, etc.

Broader markets, Increased sales

- > Customer confidence
- > Access to new markets
- > Lower pressure on price
- > Lower transaction costs



ResiStand

RAF tool demo



STRATEGY
Interoperability for crisis management



STRATEGY
Interoperability for crisis management

**Thank you for
your attention**

Any questions?



TNO Dirk Stolk

✉ dirk.stolk@tno.nl

☎ +31 6 2371 0789