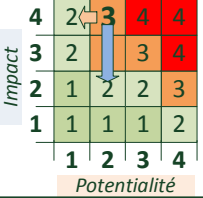
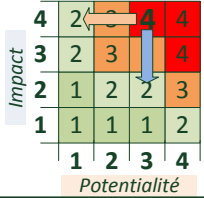
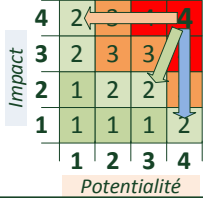
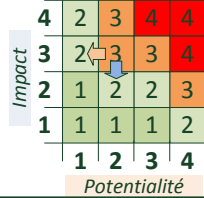
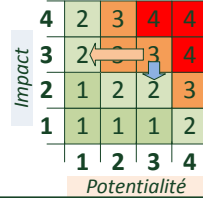
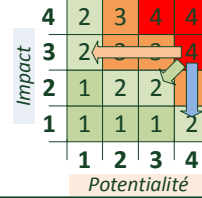
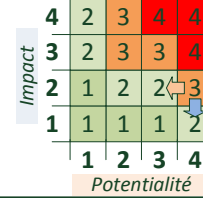


Mehari strategies for risk seriousness reduction and setting security level targets

How to read this chart?

Mehari risk assessment allows positioning the seriousness of each risk in a cell of the decision matrix below. Starting from it, a strategy for risk reduction may consider reducing the impact or the likelihood or, in some cases, both.

Confinement and palliation levels required for impact reduction strategies will vary according to the security (AIC) criteria considered.
Prevention and dissuasion levels for likelihood reduction will depend on the event type (Accident, Error, Voluntary act)
In 2 cases a mixed strategy, combining impact and likelihood reduction objectives, exists.

							
	Potentialité	Potentialité	Potentialité	Potentialité	Potentialité	Potentialité	Potentialité
Reduce impact	From 4 to 2	From 4 to 2	From 4 to 1	From 3 to 2	From 3 to 2	From 3 to 1	From 2 to 1
Security criteria hurt	Availability	Confining = 4 or palliation >=3	Confining = 4 or palliation >=3	Palliation = 4 Excellent palliation measures are mandatory to reduce impact	Confining = 4 or palliation >=3 or (confining = 4 and palliation >=2)	Confining = 4 or (confining = 4 and palliation >=3)	Confining = 4 or (confining >= 3 and palliation >=3)
	Integrity Efficiency	Confining >= 3 or palliation >=3	Confining >= 3 or palliation >=3	Confining = 4 or palliation = 4	Confining >= 3 or palliation >= 3	Confining >= 3 or palliation >= 3	Confining = 4 or palliation = 4
	Confidentiality	Confining >= 3 Or palliation = 4	Confining >= 3 or palliation = 4	(Confining >= 3 & palliation = 4) or (Confining >= 3 & palliation = 4)	Confining >= 3 or palliation >= 3	Confining >= 3 or palliation >= 3	Palliation = 4 or (confining >= 3 & palliation >= 3)
Reduce likelihood	from 2 to 1	from 3 to 1	from 4 to 1	from 2 to 1	from 3 to 1	from 4 to 1	from 4 to 3
Type of event	Accident or Error (no dissuasion measures)	Prevention = 4	Prevention = 4	Prevention = 4	Prevention = 4	Prevention = 4	Prevention >= 3
	Voluntary action (Possibly malicious)	Prevention = 4 or dissuasion = 4 or (prevention >= 3 & dissuasion >= 3)	Prevention = 4 or (prevention >= 3 & dissuasion >= 3) A dissuasion level of 4 is insufficient	(Prevention = 4 & dissuasion = 4) Neither prevention nor dissuasion alone are sufficient	Prevention = 4 or dissuasion = 4 or (prevention >= 3 & dissuasion >= 3)	Prevention = 4 or (prevention >= 3 & dissuasion >= 3) A dissuasion level of 4 is insufficient	(Prevention = 4 & dissuasion = 4) prevention or dissuasion alone is insufficient
Act on 2 criterias			Impact from 4 to 2 & likelihood from 4 to 3			Impact from 3 to 2 & likelihood from 4 to 3	

Warning
This chart is based on the standard decision tables of Mehari 2010.

RECOMMENDATIONS
The selection of the most appropriate type of measures (based on required resources) may be difficult:

- Priority should be given to measures whose quality level required is lower than 4,
- Mixed strategies may be given priority when applicable
- Palliation measures are hardly applicable if confidentiality or integrity is hurt.

Accident or Error No dissuasion measure	Availability	confining = 4 or palliation >= 3	prevention >= 3
	Integrity Efficiency	confining >= 3 Or palliation >= 3 <i>If palliation is deemed possible</i>	
	Non disclosure	confining >= 3 Or palliation = 4 <i>If palliation is deemed possible</i>	
Voluntary Action Possibly malevolent	Availability	confining = 4 or palliation >= 3	prevention >= 3 or dissuasion >=3
	Integrity	confining >= 3 or palliation >= 3 <i>If palliation is deemed possible</i>	
	Non disclosure	confining >= 3 or palliation = 4 <i>If palliation is deemed possible</i>	

Accident or Error No dissuasion measure	Availability	confining = 4 or palliation >= 3 or (confining >= 3 and palliation >= 2)	prevention >= 3
	Integrity Efficiency	confining >= 3 or palliation >= 3 <i>If palliation is deemed possible</i>	
	Non disclosure	confining >= 3 or palliation >= 3 <i>If palliation is deemed possible</i>	
Voluntary Action Possibly malevolent	Availability	confining = 4 ou palliation >= 3 ou (confining >= 3 et palliation >= 2)	prevention >= 3 or dissuasion >=3
	Integrity	confining >= 3 or palliation >= 3 <i>If palliation is deemed possible</i>	
	Non disclosure	confining >= 3 or palliation >= 3 <i>If palliation is deemed possible</i>	