# ThinkTank<sup>®</sup> - Session 2

Analysis and Conclusions for Further Inquiry United Global Group - JM

Review of the Ethics Mill:

#### **Four Criteria**

Autonomy: *Who does it empower?* Beneficence: *For whom is it good?* Non-Malfeasance: *Does it harm?* Justice/equity: *Is it fair?* 

#### **Three Levels**

End-users: *Stakeholders, maintainers, operators* USMC Organisation: *Distinct communities* USMC Enterprise: *As a whole* 

#### **Two Scopes**

Short-term: *immediate, within two years* Long-term: *between 2-10 years* 

'OTAL 🔤	ST Autonomy	LT Autonomy 🔄	ST Benefience 💽	LT Benefience 🔽	ST Non-Malfeas	LT Non-Malfeas 💌 S	T Justice/Equit	LT Justice/Equit
nd-User	39	83	49	80	35	49	42	7
Organisation	31	65	37	56	20	27	25	5
interprise	27	95	36	94	19	49	28	7
otal	97	243	122	230	74	125	95	21

Using this framework, we see that the group identified a significant number of longterm benefits, first to the MC enterprise, second to the end-users, and third to the internal organisations. The group recongnised that, overall, these conclusions support the long-term autonomy of the enterprise as a "force-in-readiness". Further, these conclusions support long-term Marine equity throughout the enterprise.

End-User         1         0         0         0         5         2         2           Organisation         1         0         9         0         19         9         2	sustice/ Equit	T Justice/Equit 💌 LT .	LT Non-Malfeas 🔽 🤉	ST Non-Malfeas	.T Benefience 🔄	ST Benefience 🔽 L	LT Autonomy 🔄	ST Autonomy 🔽 L	TOTAL
Organisation 1 0 9 0 19 9 2								1	
		2	9	19	0	9	0	1	Organisation
Enterprise 0 1 0 1 1 2 1		1	2	1	1	0	1	0	Enterprise
Total 2 1 9 1 25 13 5		5	13	25	1	9	1	2	Total

While the group voiced many concerns related to funding allotment and process change management, only a few of these concerns indicated potential harms across the enterprise. This table depicts a visualisation of the total potential harms identified by the group. Whereas the benefits seem to coalesce at the long-term, enterprise and end-user levels, these harms tend at the short-term, organization level.



Digging a little further into the total benefits (slide 1), this table weighs the conclusions from highest to lowest **long-term** benefit to the enterprise.

Conclusions 5, 13, 10, 1, 16, 19, 7, and 14 rank highest – these are overviewed in the next several slides.

Conclusions 6, 4, 18, 17, and 15 rank lowest.

	Cor	nclus	ion 5	6 — Be	enefi	ts/H	arms	5
G	ST Autonomy	LT Autonomy	ST Benefience	LT Benefience	ST Non-Malfea	LT Non-Malfea	s 💌 ST Justice/Equi	it 🗹 LT Justice/Equit
End-User		3	5	3	5	1	2	3
Organisation		2	2	2	2	1	1	2
Enterprise		2	8	2	9	1	4	2
Total		7	15	7	16	3	7	7 1
C5 End-User	<ul> <li>ST Autonomy</li> </ul>	LT Autonomy	ST Benefience	LT Benefience	ST Non-Malfea	IT Non-Malfea	s <mark>-</mark> ST Justice/Equi 0	it <mark>- LT Justice/Equit</mark>
Organisation		0	0	0	0	1	0	0
organisation								
Enterprise		0	0	0	0	0	0	0

# Conclusion 5:

The group ranks this conclusion as having most long-term benefit to the enterprise, first; the end-user, second; and modest short- and long-term benefit at the organization levels. The harm identified is the potential harm of the cost of data to the organization:



	Con	clusi	on 1	3 — F	lenef	fits/H	larm	S
	CON	crusi				103/1	ann	5
C13	<ul> <li>ST Autonomy</li> </ul>	LT Autonomy	ST Benefience	LT Benefience	ST Non-Malfea	as 🗾 LT Non-Malfea	s - ST Justice/Equ	it 💌 LT Justice/Equit
End-User		1	4	1	3	0	1	1
Organisation		2	5	2	4	0	1	1
Enterprise		1	5	1	8	0	1	1
Total		4	14	4	15	0	3	3 1
C13	- ST Autonomy	🔽 LT Autonomy	ST Benefience	LT Benefience	ST Non-Malfea	s <mark>-</mark> LT Non-Malfea	s <mark>-</mark> ST Justice/Equ	it 🔽 LT Justice/Equit
End-User		0	0	0	0	0	0	0 (
Organisation		0	0	0	0	0	0	0 (
Enterprise		0	0	0	0	0	0	0 (
Total		0	0	0	0	0	0	0 0

# Conclusion 13:

The group ranks this conclusion as having the second most long-term benefit to the enterprise, first; to the organisation, second; and to the end-user, third. There are no harms associated with this conclusion.

Conclus	sion	10 —	Ben	efits,	/Har	ms	
• ST Autonomy 🔽 LT Auton	omy 💽 ST Bene	fience 🔽 LT Benef	ience 💽 ST Non-	Malfeas 🔽 LT Non-	-Malfeas 💌 ST Justi	ce/Equit <mark> </mark> LT Justic	e/Equit 🔹
2	5	2	5	1	2	3	5
1	4	1	4	1	0	1	2
0	5	1	7	0	2	0	4
3	14	4	16	2	4	4	11
ST Autonomy 🔽 LT Autono	omy 🔽 ST Bene	fience 🔽 LT Benef	ience 🔽 ST Non-	Malfeas 🔽 LT Non-	-Malfeas 💌 ST Justi	ce/Equit <mark> -</mark> LT Justic	e/Equit 💌
0	0	0	0	0	0	0	0
0	0	1	0	0	0	0	0
0	0	0	0	0	0	0	0
			0	0	0	0	
	ST Autonomy LT Auton 2 1 0 3 ST Autonomy LT Auton 0 0	ST Autonomy       It Autonomy       ST Bene         2       5         1       4         0       5         3       14         ST Autonomy       LT Autonomy         ST Autonomy       LT Autonomy         0       0         0       0	ST Autonomy       IT Autonomy       ST Benefience       IT Benefience         2       5       2         1       4       1         0       5       1         3       14       4         ST Autonomy       It Autonomy       ST Benefience       It Benefience         0       0       0       0         0       0       0       1	ST Autonomy       I LT Autonomy       ST Benefience       I LT Benefience       ST Non-         2       5       2       5         1       4       1       4         0       5       1       7         3       14       4       16         ST Autonomy       ILT Autonomy       ST Benefience       ILT Benefience       ST Non-         0       0       0       0       0       0	ST Autonomy       IT Autonomy       ST Benefience       IT Benefience       ST Non-Malfeas       IT Non         2       5       2       5       1         1       4       1       4       1         0       5       1       7       0         3       14       4       16       2         ST Autonomy       IT Autonomy       ST Benefience       IT Benefience       ST Non-Malfeas         0       0       0       0       0       0	ST Autonomy       IT Autonomy       ST Benefience       IT Benefience       ST Non-Malfeas       IT Non-Malfeas       ST Justil         2       5       2       5       1       2         1       4       1       4       1       0         0       5       1       7       0       2         3       14       4       16       2       4         ST Autonomy       IT Autonomy       ST Benefience       IT Benefience       ST Non-Malfeas       IT Non-Malfeas       ST Justil         0       0       0       0       0       0       0         0       0       0       0       0       0       0	1       4       1       4       1       0       1         0       5       1       7       0       2       0         3       14       4       16       2       4       4         ST Autonomy       ST Benefience       LT Benefience       ST Non-Malfeas       ST Justice/Equit       LT Justic         0       0       0       0       0       0       0         0       0       1       0       0       0       0

Conclusion 10:

The group ranks this conclusion as having the third most long-term benefit to the enterprise, first; to the end-user, second; and to the organisations, third. Of greatest concern to the group was the potential harm to the organisation that the burden of this excess data would create:

	Conc	lusior	n 1 –	Bene	efits/	'Harr	ns	
	ST Autonomy	Autonomy ST Bene		etience ST Non		-Malfeas <mark>-</mark> ST Justi	ce/Equit LT Justi	ce/Equit
End-User	1	5	3	5	3	4	4	4
Organisation	2	4	2	3	1	1	4	4
Enterprise	1	4	3	6	1	2	3	3
Total	4	13	8	14	5	7	11	1:
α	• ST Autonomy 🛛 LT	Autonomy 💽 ST Bene	efience 🔽 LT Bene	efience 💽 ST Non	-Malfeas 🔽 LT Non-	-Malfeas 💌 ST Justi	ce/Equit <mark> -</mark> LT Justi	ce/Equit
End-User	0	0	0	0	2	0	0	(
End-User			0	0	2	1	0	(
End-User Organisation	0	0	0					
	0	0	0	0	0	0	0	(

Conclusion 1:

The group ranks this conclusion as having significant long-term benefit to the enterprise, first; to the end-user, second; and to the organisations, third. The potential harms are listed below:

	Cor	nclus	ion 7	7 — B	enef	its/H	arms	5
a	ST Autonomy	LT Autonomy	<b>ST</b> Benefience	LT Benefience	ST Non-Malfe	as <mark> 💌</mark> LT Non-Malfea	💌 ST Justice/Equ	it 🔽 LT Justice/Equit
End-User		3	5	4	6	4	5	4
Organisation		0	4	0	4	0	3	0
Enterprise		0	6	0	6	0	4	0
Total		3	15	4	16	4	12	4 1
C7 End-User	ST Autonomy	LT Autonomy		LT Benefience	▼ ST Non-Malfea	15 🔽 LT Non-Malfea	ST Justice/Equ	it T Justice/Equit
		-	0	-	-	1	1	0
Organisation		0	0	0	0	0	0	0
Enterprise		0	0	0	0	0	0	0
Total		0	0	0	0	1	1	0

Conclusion 7:

The group ranks this conclusion as having significant long-term benefit to the enterprise, first; to the end-user, second; and to the organisations, third. The potential harms originate from the end-user level, producing both short- and long-term implications:



C16       ST Autonomy       I T Autonomy       ST Benefience       I T Benefience       ST Non-Malfeas       I T Non-Malfeas       ST Justice/Equit       I T Justice/Equit         End-User       1       5       3       5       3       4       4         Organisation       2       4       2       3       1       1       4         Enterprise       1       4       3       6       1       2       3	Justice/Equit
End-User         1         5         3         5         3         4         4           Organisation         2         4         2         3         1         1         4	Justice/Equit •
End-User         1         5         3         5         3         4         4           Organisation         2         4         2         3         1         1         4	Justice/Equit
Organisation 2 4 2 3 1 1 4	4
Enterprise 1 4 3 6 1 2 3	4
	3
Total 4 13 8 14 5 7 11	11
C16 ST Autonomy 🛛 LT Autonomy 🔄 ST Benefience 🗳 LT Benefience 🔍 ST Non-Malfeas LT Non-Malfeas	Justice/Equit
End-User 0 0 0 0 0 0	(
Organisation 0 0 0 0 1 0 0	(
Enterprise 0 0 0 0 0 0 0 0	(

Conclusion 16:

The group ranks this conclusion as having significant long-term benefit to the enterprise, first; to the end-user, second; and to the organisations, third. The potential harm is the effect of this conclusion on manpower at the organisation level:



	Conc	lusio	on 19	9 — B	lenef	its/⊦	larm	S
C19 💽	ST Autonomy 💌	LT Autonomy	<ul> <li>ST Benefience</li> </ul>	LT Benefience	ST Non-Malfea	s <mark>-</mark> LT Non-Malfea	s ST Justice/Equi	it 🔽 LT Justice/Equit
End-User	2		5	1	5	1	1	2
Organisation	1		3	0	3	0	0	1
Enterprise	1		6	0	6	0	2	1
Total	4	1	4	1	14	1	3	4 1
	ST Autonomy	LT Autonomy	<ul> <li>ST Benefience</li> </ul>	LT Benefience	ST Non-Malfea	s <mark>v LT Non-Malfea</mark>	s <b>-</b> ST Justice/Equi	it <mark>v</mark> LT Justice/Equit
End-User	0		0	0	0	0	0	0
Organisation	0		0	1	0	0	1	0
Enterprise	0		0	0	0	0	0	0
Total	0		0	1	0	0	1	0

Conclusion 19:

The group ranks this conclusion as having significant long-term benefit to the enterprise, first; to the end-user, second; and to the organisations, third. The group identified two potential harms to the organization, one short-term and one long-term:





Again, digging a little further into the total benefits (slide 1), this table weighs the conclusions from highest to lowest **short-term** benefit to the enterprise.

Conclusions 1, 14, 16, and 18 rank highest – these are overviewed in the next several slides.

Conclusions 7, 4, 19, and 12 rank lowest, with no identified short-term benefits to the enterprise.

	Con	clusi	on 1	* — 8	Benef	fits/H	larm	S
C16	ST Autonomy	LT Autonomy	<b>ST</b> Benefience	LT Benefience	ST Non-Malfea	s <mark>🔽</mark> LT Non-Malfea	s 💌 ST Justice/Equ	it 🗾 LT Justice/Equit
End-User		1	5	3	5	3	4	4
Organisation		2	4	2	3	1	1	4
Enterprise		1	4	3	6	1	2	3
Total		4	13	8	14	5	7	11 1
α	ST Autonomy	LT Autonomy	ST Benefience	LT Benefience	ST Non-Malfea	s <mark>v</mark> LT Non-Malfea	s - ST Justice/Equ	it 🔽 LT Justice/Equit
End-User		0	0	0	0	2	0	0
Organisation		0	0	0	0	2	1	0
		0	0	0	0	0	0	0
Enterprise								0

	Cor	nclus	ion 9	) — Be	enefi	ts/H	arms	5
a	ST Autonomy	LT Autonomy	ST Benefience	LT Benefience	ST Non-Malfeas	🔽 LT Non-Malfea	s - ST Justice/Equi	t <b>T</b> Justice/Equit
End-User		0	6	1	5	1	4	0
Organisation		0	4	3	3	1	2	0
Enterprise		0	6	3	5	1	6	0
Total		0	16	7	13	3	12	0 1
a	• ST Autonomy	LT Autonomy	• ST Benefience	LT Benefience	ST Non-Malfeas	T Non-Malfea	s <mark> •</mark> ST Justice/Equi	t IT Justice/Equit
		0	0	0	0	0	0	0
End-User								
End-User Organisation		0	0	0	0	3	1	0
		0	0	0 0	0 0	3 0	1	0 0

### Conclusion 9:

The group ranks this conclusion as having significant short-term benefit to the enterprise, evenly both to the enterprise and to the end-user. Seemingly, by benefiting the end-user, this conclusion also immediately serves the MC enterprise. The group identified the following short- and long-term harms to the organization:



	Conc	lusio	n 14	– Be	enefi	ts/Ha	arms	
C14	• ST Autonomy 💌	LT Autonomy 🔽 S	T Benefience 🔽 L	.T Benefience 🔽 S	T Non-Malfeas 🔻 I	LT Non-Malfeas 💌	iT Justice/Equit 🔽 L'	ſ Justice/Equit ▼
End-User	1	7	3	5	0	3	1	5
Organisation	1	7	3	6	0	4	1	5
Enterprise	1	7	3	5	0	3	1	5
Total	3	21	9	16	0	10	3	15
C14	ST Autonomy	LT Autonomy 🔽 S	T Benefience 🔽 L	T Benefience	T Non-Malfeas	LT Non-Malfeas	iT Justice/Equit	T Justice/Equit
End-User	0	0	0	0	0	0	1	C
Organisation	0	0	3	0	1	0	1	0
			0	1	0	1	1	0
Enterprise	0	1						

Conclusion 14:

The group ranks this conclusion as having significant short-term benefits across the enterprise levels. However, group discussion of this conclusion identifies several potential harms. Primary among them is the question of the short-term good to the organization:

Cond	clusic	on 16	5* – [	3ene	fits/	Harn	าร
ST Autonomy	LT Autonomy	ST Benefience	▼ LT Benefience	💌 ST Non-Malfea	s <mark>💌</mark> LT Non-Malfea	s 💌 ST Justice/Equ	it 💌 LT Justice/Equi
	1	5	3	5	3	4	4
	2	4	2	3	1	1	4
	1	4	3	6	1	2	3
	4	13	8	14	5	7	11
ST Autonomy	LT Autonomy	• ST Benefience	LT Benefience	ST Non-Malfea	s <mark>▼ LT Non-Malfea</mark>	s <mark>-</mark> ST Justice/Equ	it 🔻 LT Justice/Equi
	0	0	0	0	0	0	0
	0	0	0	0	1	0	0
	0	0	0	0	0	0	0
	0	0	0	0	1	0	0
	ST Autonomy	ST Autonomy CLT Autonomy 1 2 1 2 1 4 ST Autonomy CLT Autonomy 0 0 0	ST Autonomy       LT Autonomy       ST Benefience         1       5         2       4         1       4         4       13         ST Autonomy       LT Autonomy         ST Autonomy       LT Autonomy         ST Autonomy       LT Autonomy         0       0         0       0	ST Autonomy       I T Autonomy       ST Benefience       I T Benefience         1       5       3         2       4       2         1       4       3         4       13       8         ST Autonomy       I T Autonomy       ST Benefience       I T Benefience         0       0       0       0         0       0       0       0	ST Autonomy       I T Autonomy       ST Benefience       I T Benefience       ST Non-Malfeat         1       5       3       5         2       4       2       3         1       4       3       6         4       13       8       14         ST Autonomy       I T Autonomy       ST Benefience       I T Benefience       ST Non-Malfeat         0       0       0       0       0       0       0	ST Autonomy       It Autonomy       ST Benefience       It Benefience       ST Non-Malfeas       It Non-Malfeas         1       5       3       5       3         2       4       2       3       1         1       4       3       6       1         4       13       8       14       5         ST Autonomy       It Autonomy       St Benefience       It Benefience       St Non-Malfeas         0       0       0       0       0       0	1       5       3       5       3       4         2       4       2       3       1       1         1       4       3       6       1       2         4       13       8       14       5       7         ST Autonomy       It Autonomy       ST Benefience       It Benefience       ST Non-Malfeas       It Non-Malfeas       ST Justice/Equ         0       0       0       0       0       0       0         0       0       0       0       0       0       0

	Con	clusi	on 1	8 — E	Benet	fits/⊦	larm	S
			_		_	-	_	
	<ul> <li>ST Autonomy</li> </ul>	LT Autonomy	<ul> <li>ST Benefience</li> </ul>	<ul> <li>LT Benefience</li> </ul>	<ul> <li>ST Non-Malfe</li> </ul>	as ▼ LT Non-Malfea	ST Justice/Equi	it 🕶 LT Justice/Equit
End-User		2	0	4	1	4	1	1
Organisation		2	1	3	1	3	1	0
Enterprise		1	2	3	2	3	2	0
Total		5	3	10	4	10	4	1
C18	<ul> <li>ST Autonomy</li> </ul>	LT Autonomy	ST Benefience	🛛 🖬 LT Benefience	T Non-Malfe	as 🔽 LT Non-Malfea	ST Justice/Equi	it 🕶 LT Justice/Equit
C18	<ul> <li>ST Autonomy</li> </ul>	LT Autonomy	ST Benefience	E <mark>▼</mark> LT Benefience	ST Non-Malfe	as <mark> -</mark> LT Non-Malfea	• ST Justice/Equi	it - LT Justice/Equit
	ST Autonomy						ST Justice/Equi	
End-User	✓ ST Autonomy	0	0	0	0	1	ST Justice/Equi	0

Conclusion 18:

The group ranks this conclusion as having significant short-term benefits across the enterprise levels, especially at the end-user level. However, group discussion of this conclusion identifies several potential short- and long-term harms to the organization, even while significantly reducing short-term harms to the end-user:

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This table distributes the conclusions from highest to lowest **long-term** nonmalfeasance (non-harm) to the enterprise.

Conclusions 9, 22, 5, 7, and 14 rank highest – these are overviewed in the next several slides.

Conclusions 6, 17, 3, 21, 15, 13 and 12 rank lowest, although this does not necessarily indicate that they *cause* harm, or fail to mitigate harm. Rather, this indicates that non-harm was not as deeply discussed for these conclusions.

	Con	clusi	on 9	* — 8	Benef	fits/⊦	larm	S
œ	ST Autonomy	LT Autonomy	ST Benefience	LT Benefience	ST Non-Malfea	s <mark> IT Non-Malfea</mark>	s <mark>-</mark> ST Justice/Equ	it 🗾 LT Justice/Equit
End-User		0	6	1	5	1	4	0
Organisation		0	4	3	3	1	2	0
Enterprise		0	6	3	5	1	6	0
Total		0	16	7	13	3	12	0 1
G	ST Autonomy	LT Autonomy	• ST Benefience	■ LT Benefience	ST Non-Malfea	s <mark>- LT Non-Malfe</mark> a	ıs • ST Justice/Equ	it <mark>-</mark> LT Justice/Equit
End-User		0	0	0	0	0	0	0
Organisation		0	0	0	0	3	1	0
Enterprise		0	0	0	0	0	0	0
		0	0	0	0	3	1	0

	Con	clusi	on 2	2 — E	Benef	fits/⊦	larm	S
				<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	
	<ul> <li>ST Autonomy</li> </ul>							it - LT Justice/Equit
End-User		0	5	1	1	1	2	0 (
Organisation		1	2	2	1	2	2	1 :
Enterprise		1	5	2	3	2	4	1
Total		2	12	5	5	5	8	2 !
C22	<ul> <li>ST Autonomy</li> </ul>	LT Autonomy	ST Benefience	LT Benefience	ST Non-Malfea	ıs <mark> IT Non-Malfea</mark>	s 💌 ST Justice/Equ	it 🔽 LT Justice/Equit
C22 End-User	<ul> <li>ST Autonomy</li> </ul>	LT Autonomy	<ul> <li>ST Benefience</li> <li>0</li> </ul>	LT Benefience	ST Non-Malfea	IS▼ LT Non-Malfea	s 💌 ST Justice/Equ O	it <mark>-</mark> LT Justice/Equit
	<ul> <li>ST Autonomy</li> </ul>			_		_		
End-User	▼ ST Autonomy	0	0	0	0	_		0 (

Conclusion 22:

Although conclusions 20-22 received the lowest amount of group feedback – everyone was tired—conclusion 22 seems to mitigate long-term harms to the enterprise by supporting end-user autonomy. However, more data is needed to support this hypothesis. The potential harm addressed is one to the organisation:



	Con	clusi	on 5	* — B	enef	its/ŀ	larm	S
G	ST Autonomy	LT Autonomy	ST Benefience	LT Benefience	ST Non-Malfeas	LT Non-Malfea	s 💌 ST Justice/Equ	it 💌 LT Justice/Equi
End-User		3	5	3	5	1	2	3
Organisation		2	2	2	2	1	1	2
Enterprise		2	8	2	9	1	4	2
Total		7	15	7	16	3	7	7
G	ST Autonomy	LT Autonomy	ST Benefience	LT Benefience	ST Non-Malfeas	LT Non-Malfea	s 💌 ST Justice/Equ	it 🔽 LT Justice/Equi
e 1		0	0	0	0	0	0	0
End-User								
End-User Organisation		0	0	0	0	1	0	0
		0	0	0	0	0	0	0

Con	clusi	on 7	* — 8	lene	fits/H	larm	S
ST Autonomy	LT Autonomy	ST Benefience	LT Benefience	ST Non-Malfea	as <mark>r LT Non-Malfea</mark>	s 💌 ST Justice/Equi	it 🕶 LT Justice/Equit
	3	5	4	6	4	5	4
	0	4	0	4	0	3	0
	0	6	0	6	0	4	0
	3	15	4	16	4	12	4 1
ST Autonomy					ıs▼ LT Non-Malfea	s - ST Justice/Equi	
	0	0	0	0	1	1	0
	0	0	0	0	0	0	0
	0	0	0	0	0	0	0
	0	0	0	o	1	1	0
	ST Autonomy	ST Autonomy LT Autonomy   3 0   0 0   3 3	ST Autonomy LT Autonomy ST Benefience   3 5   0 4   0 6   3 15	ST Autonomy I T Autonomy ST Benefience I T Benefience   3 5 4   0 4 0   0 6 0   3 15 4     ST Autonomy    I T Autonomy   I T Autonomy   I T Autonomy  I T	ST Autonomy       LT Autonomy       ST Benefience       LT Benefience       ST Non-Malfes         3       5       4       6         0       4       0       4         0       6       0       6         3       15       4       16         ST Autonomy       LT Autonomy       ST Benefience       LT Benefience       ST Non-Malfes         ST Autonomy       LT Autonomy       ST Benefience       LT Benefience       ST Non-Malfes         0       0       0       0       0       0         0       0       0       0       0       0	ST Autonomy       IT Autonomy       ST Benefience       IT Benefience       ST Non-Malfeas       IT Non-Malfeas         3       5       4       6       4         0       4       0       4       0         0       6       0       6       0         3       15       4       16       4         ST Autonomy       IT Autonomy       ST Benefience       IT Benefience       ST Non-Malfeas         ST Autonomy       IT Autonomy       ST Benefience       IT Benefience       ST Non-Malfeas       IT Non-Malfeas         0       0       0       0       0       0       0         0       0       0       0       0       0       0	3       5       4       6       4       5         0       4       0       4       0       3         0       6       0       6       0       4         3       15       4       16       4       12         ST Autonomy       I T Autonomy       ST Benefience       I T Benefience       ST Non-Malfeas       ST Justice/Equination         0       0       0       0       0       0       0       0         0       0       0       0       0       0       0       0



This table distributes the conclusions from highest to lowest **short-term** nonmalfeasance (non-harm) to the enterprise.

Conclusions 18, 2, 1, 22, and 8 rank highest – these are overviewed in the next several slides.

Conclusions 7, 6, 4, 3, 19, 14, 13, 12, 11, and 10 rank lowest. Again, this low ranking does not necessarily indicate that they *cause* harm, or fail to mitigate harm. Rather, these findings simply indicate that non-harm was not discussed for these conclusions.

	Conc	lusic	on 18	8* —	Bene	fits/	Harn	าร
C18	ST Autonomy	LT Autonomy	ST Benefience	■ LT Benefience	ST Non-Malfe	s <mark>💌</mark> LT Non-Malfea	s 💌 ST Justice/Equ	it 💌 LT Justice/Equit
End-User		2	0	4	1	4	1	1
Organisation		2	1	3	1	3	1	0
Enterprise		1	2	3	2	3	2	0
Total		5	3	10	4	10	4	1
C18 End-User	ST Autonomy	LT Autonomy	ST Benefience	LT Benefience			s ST Justice/Equ	it <mark>-</mark> LT Justice/Equit
		-	-	-	0	1	1	-
Organisation		0	0	0	0	0	2	0
Enterprise		0	0	0	0	1	1	0
Total		0	0	0	0	2	4	0

	Co	nclug	sion 2	2_ R	anofi	itc/H	armo	•
	CO	icius		2- Di	enen	115/11	anns	)
a	ST Autonomy	LT Autonomy	ST Benefience	LT Benefience	ST Non-Malfe	as IT Non-Malfe	as 🔽 ST Justice/Equ	ıit <mark>▼</mark> LT Justice/Equit
End-User		3	3	4	3	4	4	4 4
Organisation		3	3	3	1	3	3	4 4
Enterprise		3	4	2	3	3	3	4 5
Total		9	10	9	7	10	10	12 13
C2	ST Autonomy	LT Autonomy	ST Benefience	🔽 LT Benefience	🔽 ST Non-Malfe	as 🗾 LT Non-Malfe	as 💌 ST Justice/Equ	iit 🔽 LT Justice/Equit 💌
End-User		0	0	0	0	0	0	0 0
Organisation		0	0	0	0	2	1	0 0
		0	0	0	0	0	0	0 0
Enterprise		0	0	0	0	2	1	0 0
Enterprise Total								

Conclusion 2:

This conclusion shows a high level of group support – benefits are recognised across the enterprise at all levels and scopes. Potential short- and long-term costs to the organisaiton seem to minimise some of perceived long-term benefit at the organization level.



	Con	clusi	on 1	* — 8	Benef	fits/H	larm	S
C16	ST Autonomy	LT Autonomy	<b>ST</b> Benefience	LT Benefience	ST Non-Malfea	s <mark>🔽</mark> LT Non-Malfea	s 💌 ST Justice/Equ	it 🗾 LT Justice/Equit
End-User		1	5	3	5	3	4	4
Organisation		2	4	2	3	1	1	4
Enterprise		1	4	3	6	1	2	3
Total		4	13	8	14	5	7	11 1
α	ST Autonomy	LT Autonomy	ST Benefience	LT Benefience	ST Non-Malfea	s <mark>v</mark> LT Non-Malfea	s - ST Justice/Equ	it 🔽 LT Justice/Equit
End-User		0	0	0	0	2	0	0
Organisation		0	0	0	0	2	1	0
		0	0	0	0	0	0	0
Enterprise								0

	Cor	nclus	ion 8	8 — B	enef	its/H	arms	5
<b>C8</b>	ST Autonomy	LT Autonomy	ST Benefience	<b>IT</b> Benefience	ST Non-Malfe	as <mark> 🕶</mark> LT Non-Malfea	s 💌 ST Justice/Equ	it 🗾 LT Justice/Equit
End-User		2	3	1	4	3	3	2
Organisation		0	2	1	3	2	2	1
Enterprise		0	3	1	4	2	3	1
Total		2	8	3	11	7	8	4
	<ul> <li>ST Autonomy</li> </ul>							it - LT Justice/Equit
End-User	ST Autonomy	0	0	0	0	as 🔽 LT Non-Malfea O	s - ST Justice/Equ 0	0
	ST Autonomy							

# Conclusion 8:

The group recognizes that this conclusion contributes significantly to reducing immediate harms, while also contributing long-term benefits across the enterprise. The potential organizational harm is identified as follows:



	Cond	clusio	on 22	2*	Bene	efits/	Harn	ns
C22	ST Autonomy	LT Autonomy	ST Benefience	LT Benefience	ST Non-Malfe	as 🔽 LT Non-Malfea	as 💌 ST Justice/Equ	iit 💌 LT Justice/Equit
End-User		0	5	1	1	1	2	0
Organisation		1	2	2	1	2	2	1
Enterprise		1	5	2	3	2	4	1
Total		2	12	5	5	5	8	2
<b>C</b> 22	ST Autonomy	LT Autonomy	ST Benefience	LT Benefience	ST Non-Malfe	as <mark>y LT Non-Malfea</mark>	s 🕶 ST Justice/Equ	iit <mark> -</mark> LT Justice/Equit
End-User		0	0	0	0	0	0	0
Organisation		0	0	0	0	1	1	0
Enterprise		0	0	0	0	0	0	0
enterprise		0	0	0	0	4	1	0



Here, we turn our attention to the harms that are identified during the discussions for each conclusion.

Conclusions 4, 6, 15, 21, 5, 13 and 16 have the fewest identified concerns.

Conclusions 14, 18, 2, 1, 12, and 9 have the highest number of identified concerns -these are overviewed in the next several slides to prompt further discovery into understanding and addressing these potential harms.

	Conc	lusic	on 14	* —	Bene	fits/	Harm	าร
C14	ST Autonomy	LT Autonomy	ST Benefience	LT Benefience	ST Non-Malfe	Is IT Non-Malfea	s 💌 ST Justice/Equi	t 🔽 LT Justice/Equit
End-User		1	7	3	5	0	3	1
Organisation		1	7	3	6	0	4	1
Enterprise		1	7	3	5	0	3	1
Total		3	21	9	16	0	10	3 1
	ST Autonomy	LT Autonomy	ST Benefience	LT Benefience	ST Non-Malfe	is <mark>▼</mark> LT Non-Malfea	s - ST Justice/Equi	t T Justice/Equit
End-User		0	0	0	0	0	0	1
Organisation		0	0	3	0	1	0	1
Enterprise		0	1	0	1	0	1	1
Total		0	1	3	1	1	1	3

	Cond	lusic	on 18	8* —	Bene	efits/I	Harn	าร
C18	ST Autonomy	🔽 LT Autonomy	ST Benefience	■ LT Benefience	ST Non-Malfe	as 🔽 LT Non-Malfea	s 💌 ST Justice/Equ	it 🔽 LT Justice/Equit
End-User		2	0	4	1	4	1	1
Organisation		2	1	3	1	3	1	0
Enterprise		1	2	3	2	3	2	0
Total		5	3	10	4	10	4	1
C18 End-User	ST Autonomy						s ST Justice/Equ	it I Justice/Equit
		0	0	0	0	1	1	0
Organisation		0	0	0	0	0	2	0
Enterprise	_	0	0	0	0	1	1	0
Total		0	0	0	0	2	4	0

	Cor	clusi	ion 2	*– B	enef	its/⊦	larm	S
a	ST Autonomy	🗾 LT Autonomy	ST Benefience	LT Benefience	ST Non-Malfe	as <mark> 🖬</mark> LT Non-Malfe	as 💌 ST Justice/Equ	it 💌 LT Justice/Equit
End-User		3	3	4	3	4	4	4
Organisation		3	3	3	1	3	3	4
Enterprise		3	4	2	3	3	3	4
Total		9	10	9	7	10	10	12 1
a 	ST Autonomy							it - LT Justice/Equit
End-User		0	0	0	0	0	0	0
Organisation		0	0	0	0	2	1	0
Enterprise		0	0	0	0	0	0	0
Total		0	0	0	0	2	1	0

	Con	clusi	on 1	* – 8	enef	its/⊦	larm	S
C16	ST Autonomy	LT Autonomy	ST Benefience	LT Benefience	ST Non-Malfea	s <mark>▼ LT Non-Malfea</mark>	s - ST Justice/Equ	it <b>T</b> Justice/Equit
End-User		1	5	3	5	3	4	4
Organisation		2	4	2	3	1	1	4
Enterprise		1	4	3	6	1	2	3
Total		4	13	8	14	5	7	11 1
α	ST Autonomy	LT Autonomy	▼ ST Benefience	■ LT Benefience	ST Non-Malfea	s <mark>z LT Non-Malfea</mark>	s <mark>-</mark> ST Justice/Equ	it <b>-</b> LT Justice/Equit
End-User		0	0	0	0	2	0	0
Organisation		0	0	0	0	2	1	0
Fatamica		0	0	0	0	0	0	0
Enterprise			0	0	0		1	0

	Conc	lusic	on 12	2 – B	enef	its/H	arm	S
C12 -	ST Autonomy 💌	LT Autonomy 🖃	ST Benefience 👱	LT Benefience	<ul> <li>ST Non-Malfeas</li> </ul>	LT Non-Malfeas	<ul> <li>ST Justice/Equi</li> </ul>	T Justice/Equit
End-User	0	4	(	)	3	0	1	0
Organisation	0	4	(	)	3	0	0	0
Enterprise	0	4	(	)	3	0	1	0
Total	0	12	(	)	9	0	2	0
C12 -	ST Autonomy	LT Autonomy 💌	ST Benefience	LT Benefience	• ST Non-Malfeas	✓ LT Non-Malfeas	<ul> <li>ST Justice/Equit</li> </ul>	t IT Justice/Equit
End-User	0	0	(	)	0	1	0	0
Organisation	0	0	(	)	0	2	1	0
Enterprise	0	0	(	)	0	0	0	0
	0	0	(	)	0	3	1	0

Conclusion 12:

The group recognizes modest long-term benefit across the enterprise, indicating high concerns for potential harms at the organization level. These potential harms are identified as follows:



	Con	clusi	on 9	* — 8	lene	fits/⊦	larm	S
œ	ST Autonomy	LT Autonomy	ST Benefience	LT Benefience	ST Non-Malfea	s <mark> IT Non-Malfea</mark>	s 💌 ST Justice/Equi	it 🗾 LT Justice/Equit
End-User		0	6	1	5	1	4	0
Organisation		0	4	3	3	1	2	0
Enterprise		0	6	3	5	1	6	0
Total		0	16	7	13	3	12	0 1
œ	ST Autonomy					_		it <b>-</b> LT Justice/Equit
End-User		0	0	0	0	0	0	0
Organisation		0	0	0	0	3	1	0
Enterprise		0	0	0	0	0	0	0
		0	0	0	0	3	1	0



For this section, I used the standard deviation to re-rank the quantitative scores according to the consensus among the group. By looking both at where the group was in the most accordance, we have a better idea of how to arrange our argument -- where consensus is low may indicate a low level of understanding of the conclusion and its effects.
#### Cost

In the following tables, standard deviation is used to indicating high, but decreasing, consensus moving from left to right.

High y-axis values show the average score per each conclusion on the x-axis.

These graphs are integral to the story we are creating with the data – we are looking for the best value with the highest measure of group consensus.

Low Scores = Good (G) or Bad (B)

Feasibility (B) Manpower (B) Time (B)

Benefits (G) Costs (G) Likelihood of Failure (G) Consequence of Failure (G)





High value = low cost (positive),

Conclusions 20, 1, 17, 14 and 19 are the strongest with the highest group consensus.

# Feasibility

In the following tables, standard deviation is used to indicating high, but decreasing, consensus moving from left to right.

High y-axis values show the average score per each conclusion on the x-axis.





High value = high feasibility (positive)

Conclusions 20, 21, 19, and 10 are the with the highest group consensus.

## Manpower

In the following tables, standard deviation is used to indicating high, but decreasing, consensus moving from left to right.

High y-axis values show the average score per each conclusion on the x-axis.





High values = low manpower required (positive),

Conclusions 22, 13 and 14 are the strongest with the highest group consensus.

### Time

In the following tables, standard deviation is used to indicating high, but decreasing, consensus moving from left to right.

High y-axis values show the average score per each conclusion on the x-axis.





High value = low amount of time required (positive),

Conclusions 12, 2, 1, 17 and 14 are the strongest with the highest group consensus.

# Risk

In the following tables, standard deviation is used to indicating high, but decreasing, consensus moving from left to right.

High y-axis values show the average score per each conclusion on the x-axis.



Low value = most benefit

Conclusions 7, 8, 13, and 14 are the strongest with the highest group consensus.



Low value = lowest cost

Conclusions 21, 20, 19, 4 and 3 are the strongest with the highest group consensus.



Low value = lowest likelihood of failure

Conclusions 1, 21, 20, 19 and 4 are the strongest with the highest group consensus.



Low value = lowest consequences from failure

Conclusions 4, 6, 11, 12, 9, and 10 are the strongest with the highest group consensus.





This analysis suggests further investigation into the following conclusions, which are ranked by most-potential benefit to the enterprise.

TOTAL	ST Autonomy	LT Autonomy	ST Benefience			n-Malfeasanc LT Non-			ce/Equity
End-User		39	83	49	80	35	49	42	7
Organisation		31	65	37	56	20	27	25	5
Enterprise		27	95	36	94	19	49	28	7:
Total		97	243	122	230	74	125	95	21
								<i>(</i>	( <b>-</b> 1)
C1	ST Autonomy	LT Autonomy	ST Benefience			n-Malfeasanc LT Non-			ce/Equity
End-User		3	5	4	5	2	1	5	
Organisation		3	5	3	6	2	3	5	
Enterprise Total		9	17	10	15	5	6	17	1
TULAI		5	1/	10	13	3	0	17	-
C2	ST Autonomy	LT Autonomy	ST Benefience	LT Benefience	e ST Nor	n-Malfeasanc LT Non-	Malfeasanc ST Justi	ce/Fauity IT lusti	ce/Equity
End-User	STRUCTION	3	3	4	3	4	4	4	cc/ Equity
Organisation		3	3	3	1	3	3	4	
Enterprise		3	4	2	3	3	3	4	
Total		9	10	9	7	10	10	12	1
				-					
C3	ST Autonomy	LT Autonomy	ST Benefience	LT Benefience	e ST Nor	n-Malfeasanc LT Non-	Malfeasanc ST Justi	ce/Equity LT Justi	ce/Equity
End-User		0	1	2	2	2	2	3	,,
Organisation		1	1	2	2	0	1	0	
Enterprise		2	3	2	3	0	1	0	
Total		3	5	6	7	2	4	3	:
C4	ST Autonomy	LT Autonomy	ST Benefience	LT Benefience	e <u>ST Nor</u>	n-Malfeasanc LT Non-	Malfeasanc <u>ST Justi</u>	ce/Equi <u>ty LT Justi</u>	ce/Equity
End-User		1	1	1	2	1	2	2	
Organisation		1	1	0	0	0	0	1	
Enterprise		0	1	0	2	0	2	1	
Total		2	3	1	4	1	4	4	
С5	ST Autonomy	LT Autonomy	ST Benefience	LT Benefience	e ST Nor	n-Malfeasanc LT Non-	Malfeasanc ST Justi	ce/Equity LT Justi	ce/Equity
End-User		3	5	3	5	1	2	3	
Organisation		2	2	2	2	1	1	2	:
Enterprise		2	8	2	9	1	4	2	
Total		7	15	7	16	3	7	7	1
C6	ST Autonomy	LT Autonomy	ST Benefience	LT Benefience	e ST Nor	n-Malfeasanc LT Non-	Malfeasanc ST Justi	ce/Equity LT Justi	ce/Equity
End-User		1	5	1	5	0	4	1	:
Organisation		1	1	1	1	0	0	0	:
Enterprise		1	1	1	1	0	0	1	
Total		3	7	3	7	0	4	2	
C7	ST Autonomy	LT Autonomy	ST Benefience			n-Malfeasanc LT Non-			ce/Equity
End-User		3	5	4	6	4	5	4	:
Organisation		0	4	0	4	0	3	0	
Enterprise		0	6	0	6	0	4	0	:
Total		3	15	4	16	4	12	4	14
C8	ST Autonomy	LT Autonomy	ST Benefience			n-Malfeasanc LT Non-			ce/Equity
End-User		2	3	1	4	3	3	2	
Organisation		0	2	1	3	2	2	1	
Enterprise		0	3	1	4	2	3	1	
Total		2	8	3	11	7	8	4	
				170 4					15
C9	ST Autonomy	LT Autonomy	ST Benefience			n-Malfeasanc LT Non-			ce/Equity
End-User		0	6	1	5	1	4	0	
Organisation		0	4	3	3	1	2	0	:
Enterprise		0	6	3	5	1 3	6	0	1
Total		0	16		13	3	12	0	1
210	ST Autonom		ST Penefierer	IT Republican	ST New	n-Malfeasanc LT Non-	Malfaacane CT lust		co/Fouriture
End-User	ST Autonomy	LT Autonomy	ST Benefience	LT Benefience	e SINOr 5	1-Malfeasanc LI Non-	Malfeasanc ST Justi	ce/Equity LT Justi	ce/Equity
LINU-USEI		1	4	1	4	1	0	1	
Organication		T	4	1	4	1	U	1	
		0	5	1	7	0	2	0	
Organisation Enterprise Total		0 3	5 14	4	7	0 2	2 4	0	