

Support Action for Strengthening PAlestine capabilities for seismic Risk Mitigation

SASPARM 2.0

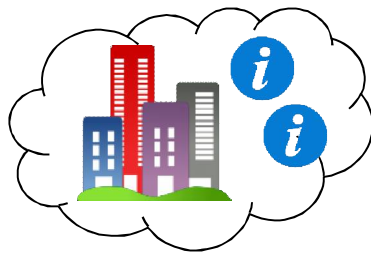
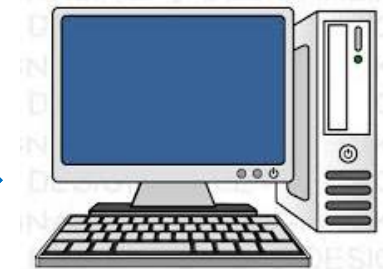
**2014 PROJECT FOR CIVIL PROTECTION FINANCIAL INSTRUMENT
PREPAREDNESS AND PREVENTION SCHEME**

TRAINING CONTENTS OF COLLECTION FORM FOR STUDENTS

Name
e-mail



HOW TO COLLECT DATA?



Name of the complex: _____
 Education Level: _____

1) Identification of the Building

Monoparty: _____
 Address: _____
 Street Number: _____ District/Monoparty: _____ Zip Code: _____
 Name of the building: _____

Geographical Coordinates (WGS 84 system) Lat: _____ Long: _____

Position of Building:

Isolated Building Internal Building End Building Corner Building

2) Description of the Building

n° Total Floors with basement	Metrics		Age Construction and renovation (year 2)	Type of Use	Use - Exposure	
	Average floor height (m)	Average floor area (m ²)			n° units of use	% of use
1 < 3	1 < 2.00	1 < 35	1 < 1919	<input type="checkbox"/> Housing	<input type="checkbox"/> 15%	1 < 1
2 < 3	2 < 2.00-3.00	2 < 361-170	2 < 191-1999	<input type="checkbox"/> Productive	2 < 30-45%	2 < 1-1
3 < 4	3 < 3.01-5.0	3 < 71-100	3 < 191-1999	<input type="checkbox"/> Trade	3 < 35%	3 < 1-1
4 < 5	4 < 5.01-6.0	4 < 101-100	4 < 191-1999	<input type="checkbox"/> Office	4 < 45-61	4 < 1-1
5 < 6	5 < 6.01-7.0	5 < 101-1000	5 < 191-1999	<input type="checkbox"/> Public Service	5 < 72-81	5 < 1-1
6 < 7	6 < 7.01-8.0	6 < 101-170	6 < 191-1999	<input type="checkbox"/> Deposit	6 < 81-81	6 < 1-1
7 < 8	7 < 8.01-9.0	7 < 171-200	7 < 191-1999	<input type="checkbox"/> Storage	7 < 81-91	7 < 1-1
8 < 9	8 < 9.01-10.0	8 < 201-300	8 < 191-1999	<input type="checkbox"/> Touristic/Accommodation	8 < 91-102	8 < 1-1
9 < 10	9 < 10.01-12.0	9 < 301-400	9 < 2002	<input type="checkbox"/> Property	9 < 102	9 < 1-1
10 < 11	10 < 12.01-15.0	10 < 401-500	10 < 2002	<input type="checkbox"/> Public	10 < 102	10 < 1-1
11 < 12	11 < 15.01-20.0	11 < 501-1000	11 < 2002	<input type="checkbox"/> Private	11 < 102	11 < 1-1

3) Structural Data

Vertical Structure of the Building

If the building is in reinforced concrete:

8.1 The building has no walls at floors:
 1 2 3 4 5 6 7 8 9 10 11 12

8.2 The building has partially walls at floors:
 1 2 3 4 5 6 7 8 9 10 11 12

8.3 The building is composed totally by walls





HOW TO COLLECT DATA?

Form for Practitioners and Students

Name of the compiler _____
Education level _____

1) Identification of the Building

Municipality _____
Street name _____ Street number _____
Name of the building _____

Geographical Coordinates (WGS 84 System) Lat. _____ Long. _____

Position of Building :

1 Isolated Building 2 Internal Building 3 End Building 4 Corner Building

2) Description of the Building

Metrics			Age	Use - Exposure																																	
N° Total floors with basement	Average of floor height [m]	Average of floor area [m²]	Construction and renovation [max. 2]	Type of Use	N° units of use	% of Use	Occupants																														
<input type="radio"/> 1 <input type="radio"/> 9	1 <input type="radio"/> < 2.50	A <input type="radio"/> < 50 I <input type="radio"/> 401 ÷ 500	1 <input type="checkbox"/> ≤ 1919	<input type="checkbox"/> Housing	<input type="checkbox"/> _____	A <input type="radio"/> > 65%	<table border="1"><tr><td>0</td><td>0</td><td>0</td></tr><tr><td>1</td><td>1</td><td>1</td></tr><tr><td>2</td><td>2</td><td>2</td></tr><tr><td>3</td><td>3</td><td>3</td></tr><tr><td>4</td><td>4</td><td>4</td></tr><tr><td>5</td><td>5</td><td>5</td></tr><tr><td>6</td><td>6</td><td>6</td></tr><tr><td>7</td><td>7</td><td>7</td></tr><tr><td>8</td><td>8</td><td>8</td></tr><tr><td>9</td><td>9</td><td>9</td></tr></table>	0	0	0	1	1	1	2	2	2	3	3	3	4	4	4	5	5	5	6	6	6	7	7	7	8	8	8	9	9	9
0	0	0																																			
1	1	1																																			
2	2	2																																			
3	3	3																																			
4	4	4																																			
5	5	5																																			
6	6	6																																			
7	7	7																																			
8	8	8																																			
9	9	9																																			
<input type="radio"/> 2 <input type="radio"/> 10	2 <input type="radio"/> 2.50 ÷ 3.50	B <input type="radio"/> 51 ÷ 70 L <input type="radio"/> 501 ÷ 650	2 <input type="checkbox"/> 19 ÷ 45	<input type="checkbox"/> Productive	<input type="checkbox"/> _____	B <input type="radio"/> 30 ÷ 65%																															
<input type="radio"/> 3 <input type="radio"/> 11	3 <input type="radio"/> 3.51 ÷ 5.0	C <input type="radio"/> 71 ÷ 100 M <input type="radio"/> 651 ÷ 900	3 <input type="checkbox"/> 46 ÷ 61	<input type="checkbox"/> Trade	<input type="checkbox"/> _____	C <input type="radio"/> < 30%																															
<input type="radio"/> 4 <input type="radio"/> 12	4 <input type="radio"/> > 5.0	D <input type="radio"/> 101 ÷ 130 N <input type="radio"/> 901 ÷ 1200	4 <input type="checkbox"/> 62 ÷ 71	<input type="checkbox"/> Offices	<input type="checkbox"/> _____	D <input type="radio"/> Under Construction																															
<input type="radio"/> 5 <input type="radio"/> > 12		E <input type="radio"/> 131 ÷ 170 O <input type="radio"/> 1201 ÷ 1600	5 <input type="checkbox"/> 72 ÷ 81	<input type="checkbox"/> Public Service	<input type="checkbox"/> _____	E <input type="radio"/> Unfinished																															
<input type="radio"/> 6	N° Basements	F <input type="radio"/> 171 ÷ 230 P <input type="radio"/> 1801 ÷ 2200	6 <input type="checkbox"/> 81 ÷ 91	<input type="checkbox"/> Deposit	<input type="checkbox"/> _____	F <input type="radio"/> Abandoned																															
<input type="radio"/> 7	A <input type="radio"/> 0 C <input type="radio"/> 2	G <input type="radio"/> 231 ÷ 300 Q <input type="radio"/> 2201 ÷ 3000	7 <input type="checkbox"/> 91 ÷ 02	<input type="checkbox"/> Strategic	<input type="checkbox"/> _____																																
<input type="radio"/> 8	B <input type="radio"/> 1 D <input type="radio"/> ≥ 3	H <input type="radio"/> 301 ÷ 400 R <input type="radio"/> > 3000	8 <input type="checkbox"/> ≥ 2002	<input type="checkbox"/> Touristic - Accommodation	<input type="checkbox"/> _____																																
				Property	A <input type="radio"/> Public	B <input type="radio"/> Private																															

3) Structural Data

Vertical Structure of the Building

Masonry	Reinforced Concrete	If the building is in reinforced concrete:	
<input type="radio"/> A	<input type="radio"/> B	B.1 <input type="checkbox"/> The building has no walls at floors:	B.2 <input type="checkbox"/> The building has partially walls at floors:
		<input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4	<input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4
		<input type="checkbox"/> 5 <input type="checkbox"/> 6 <input type="checkbox"/> 7 <input type="checkbox"/> 8	<input type="checkbox"/> 5 <input type="checkbox"/> 6 <input type="checkbox"/> 7 <input type="checkbox"/> 8
		<input type="checkbox"/> 9 <input type="checkbox"/> 10 <input type="checkbox"/> 11 <input type="checkbox"/> ≥ 12	<input type="checkbox"/> 9 <input type="checkbox"/> 10 <input type="checkbox"/> 11 <input type="checkbox"/> ≥ 12
		B.3 <input type="checkbox"/> The building is composed totally by walls	B.4 <input type="checkbox"/> The building has RC shear walls

Horizontal Structure					Roof			
Not identified	Solid slab with drop beams	Reinforced concrete ribbed slab	Reinforced concrete slab	Steel concrete slab	Heavy and flat	Heavy and sloped	Light and flat	Light and sloped
<input type="radio"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

4) Regularity

In plan		In elevation	
Regular	Not regular	Regular	Not regular
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

5) Geomorphological Data

Morphology site				Landslides		Category of soil foundation
Ridge	Strong slope	Slight slope	Lowland	Absent	Existing	
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="checkbox"/>

6) Notes

Date _____ The Compiler (Block Letters) _____ Sign of the Compiler _____

HOW TO COLLECT DATA?

Form for Citizens (helped by students)

Name of the compiler	
Education level	
Faculty	
Department	

1) Identification of the Building

Municipality _____

Street name _____ Street number _____

Name of the building _____

Geographical Coordinates (WGS 84 System) Lat. _____ Long. _____

Position of Building :

1 Isolated Building
 2 Internal Building
 3 End Building
 4 Corner Building



2) Description of the Building

N° of floors		Age	Use - Exposure			Property																											
N° Total floors with basement	Construction and renovation [max 2]	Type of Use	N° Units of use	% of Use	Occupants	A <input type="radio"/> Public B <input type="radio"/> Private																											
<input type="radio"/> 1 <input type="radio"/> 2 <input type="radio"/> 3 <input type="radio"/> 4 <input type="radio"/> 5 <input type="radio"/> 6 <input type="radio"/> 7 <input type="radio"/> 8 <input type="radio"/> 9 <input type="radio"/> 10 <input type="radio"/> 11 <input type="radio"/> ≥12 N° Basements <input type="radio"/> 0 <input type="radio"/> 1 <input type="radio"/> 2 <input type="radio"/> ≥3	1 <input type="checkbox"/> ≤ 1919 2 <input type="checkbox"/> 19 ÷ 45 3 <input type="checkbox"/> 46 ÷ 61 4 <input type="checkbox"/> 62 ÷ 71 5 <input type="checkbox"/> 72 ÷ 81 6 <input type="checkbox"/> 82 ÷ 91 7 <input type="checkbox"/> 91 ÷ 02 8 <input type="checkbox"/> ≥ 2002	<input type="checkbox"/> Housing <input type="checkbox"/> Productive <input type="checkbox"/> Trade <input type="checkbox"/> Offices <input type="checkbox"/> Public Service <input type="checkbox"/> Deposit <input type="checkbox"/> Strategic <input type="checkbox"/> Touristic - Accomodation	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	A <input type="radio"/> > 65% B <input type="radio"/> 30÷65% C <input type="radio"/> < 30% D <input type="radio"/> Under Construction E <input type="radio"/> Unfinished F <input type="radio"/> Abandoned	<table border="1"> <tr><th>100</th><th>10</th><th>1</th></tr> <tr><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td></tr> <tr><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td></tr> <tr><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td></tr> <tr><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td></tr> <tr><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td></tr> <tr><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td></tr> <tr><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td></tr> <tr><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td></tr> </table>	100	10	1	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	A <input type="radio"/> Public B <input type="radio"/> Private
100	10	1																															
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>																															
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>																															
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<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>																															
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>																															
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>																															

3) Main Material of the Building's Vertical Structure

Masonry	Reinforced Concrete	If the building is in reinforced concrete:															
		B.1 <input type="checkbox"/> The building has no walls at floor(s):								B.2 <input type="checkbox"/> The building has partially walls at floor(s):							
<input type="radio"/> A <input type="radio"/> B	<input type="radio"/> m <input type="radio"/> n	<input type="checkbox"/> 1	<input type="checkbox"/> 2	<input type="checkbox"/> 3	<input type="checkbox"/> 4	<input type="checkbox"/> 1	<input type="checkbox"/> 2	<input type="checkbox"/> 3	<input type="checkbox"/> 4	<input type="checkbox"/> 5	<input type="checkbox"/> 6	<input type="checkbox"/> 7	<input type="checkbox"/> 8	<input type="checkbox"/> 9	<input type="checkbox"/> 10	<input type="checkbox"/> 11	<input type="checkbox"/> ≥12
		<input type="checkbox"/> 5	<input type="checkbox"/> 6	<input type="checkbox"/> 7	<input type="checkbox"/> 8	<input type="checkbox"/> 9	<input type="checkbox"/> 10	<input type="checkbox"/> 11	<input type="checkbox"/> ≥12	B.3 <input type="checkbox"/> The building is composed totally by walls							

4) Notes



Date _____	The Compiler (Block Letters) _____	Signature of the Compiler _____
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Taxonomy for Practitioners and Students

1. Identification (address, coordinates, position)
2. Description (height, m², age, use..)
3. Structural Data (material of resisting system, roof..)
4. Regularity
5. Geomorphological data
6. Notes



Taxonomy for Citizens

1. Identification (address, coordinates, position)
2. Description (height, m², age, use..)
3. Structural Data (material of vertical system)
4. Notes





Fill the form - Citizens

1. Identification: Yours and of the building

Name of the compiler	<input type="text"/>
Education level	<input type="text"/>
Faculty	<input type="text"/>
Department	<input type="text"/>

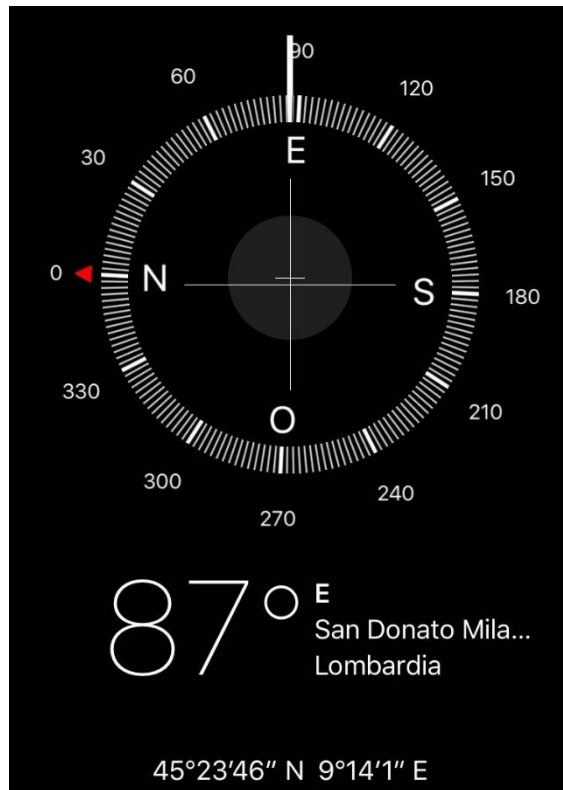
1) Identification of the Building	
Municipality	<input type="text"/>
Street name	<input type="text"/>
Street number	<input type="text"/>
Name of the building	<input type="text"/>
Geographical Coordinates (WGS 84 System)	Lat. <input type="text"/> Long. <input type="text"/>
Position of Building :	
<input type="radio"/> Isolated Building	<input type="radio"/> Internal Building
<input type="radio"/> End Building	<input type="radio"/> Corner Building



Fill the form – Practitioners and Citizens

1. Identification: Yours and of the building

Geographical Coordinates (WGS 84 System)	Lat. <input type="text"/>
	Long. <input type="text"/>



For Geographical Coordinates (IOS):

- Tap on Settings, then tap Privacy
- Location Services ON
- Scroll down until **Compass** (Select “While Using”)
- Open the Compass App
- Read Lat and Long (45.2346, 9.1410)



Fill the form – Practitioners and Citizens

1. Position of the Building

Position of Building :

<p>1 <input type="radio"/> Isolated Building</p>	<p>2 <input type="radio"/> Internal Building</p>	<p>3 <input type="radio"/> End Building</p>	<p>4 <input type="radio"/> Corner Building</p>
--------------------------------------------------	--------------------------------------------------	---------------------------------------------	------------------------------------------------



To point out link/connection between buildings.

Useful element to understand structural interaction and evaluate vulnerability.



Fill the form - Practitioners

2. Description of Building

Metrics, Age of construction, Use – Exposure

2) Description of the Building										
Metrics				Age	Use - Exposure					
N° Total floors with basement	Average of floor height [m]	Average of floor area [m ²]		Construction and renovation [max 2]	Type of Use	N° units of use	% of Use	Occupants		
		A	I					100	10	1
<input type="radio"/> 1 <input type="radio"/> 9	1 <input type="radio"/> < 2.50	A <input type="radio"/> < 50	I <input type="radio"/> 401 ÷ 500	1 <input type="checkbox"/> ≤ 1919	<input type="checkbox"/> Housing	<input type="text"/>	A <input type="radio"/> > 65%	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="radio"/> 2 <input type="radio"/> 10	2 <input type="radio"/> 2.50 ÷ 3.50	B <input type="radio"/> 51 ÷ 70	L <input type="radio"/> 501 ÷ 650	2 <input type="checkbox"/> 19 ÷ 45	<input type="checkbox"/> Productive	<input type="text"/>	B <input type="radio"/> 30 ÷ 65%	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="radio"/> 3 <input type="radio"/> 11	3 <input type="radio"/> 3.51 ÷ 5.0	C <input type="radio"/> 71 ÷ 100	M <input type="radio"/> 651 ÷ 900	3 <input type="checkbox"/> 46 ÷ 61	<input type="checkbox"/> Trade	<input type="text"/>	C <input type="radio"/> < 30%	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="radio"/> 4 <input type="radio"/> 12	4 <input type="radio"/> > 5.0	D <input type="radio"/> 101 ÷ 130	N <input type="radio"/> 901 ÷ 1200	4 <input type="checkbox"/> 62 ÷ 71	<input type="checkbox"/> Offices	<input type="text"/>	D <input type="radio"/> Under Construction	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="radio"/> 5 <input type="radio"/> > 12	N° Basements	E <input type="radio"/> 131 ÷ 170	O <input type="radio"/> 1201 ÷ 1600	5 <input type="checkbox"/> 72 ÷ 81	<input type="checkbox"/> Public Service	<input type="text"/>	E <input type="radio"/> Unfinished	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="radio"/> 6		F <input type="radio"/> 171 ÷ 230	P <input type="radio"/> 1601 ÷ 2200	6 <input type="checkbox"/> 81 ÷ 91	<input type="checkbox"/> Deposit	<input type="text"/>	F <input type="radio"/> Abandoned	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="radio"/> 7	A <input type="radio"/> 0 C <input type="radio"/> 2	G <input type="radio"/> 231 ÷ 300	Q <input type="radio"/> 2201 ÷ 3000	7 <input type="checkbox"/> 91 ÷ 02	<input type="checkbox"/> Strategic	<input type="text"/>		<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="radio"/> 8	B <input type="radio"/> 1 D <input type="radio"/> ≥ 3	H <input type="radio"/> 301 ÷ 400	R <input type="radio"/> > 3000	8 <input type="checkbox"/> ≥ 2002	<input type="checkbox"/> Touristic - Accomodation	<input type="text"/>		<input type="text"/>	<input type="text"/>	<input type="text"/>
					Property		A <input type="radio"/> Public	B <input type="radio"/> Private		





Fill the form - Citizens

2. Description of Building

Metrics, Age of construction, Use – Exposure, Property

2) Description of the Building									
N° of floors		Age	Use - Exposure			Property			
N° Total floors with basement		Construction and renovation [max 2]	Type of Use	N° Units of use	% of Use	Occupants			
<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="checkbox"/> Housing	<input type="text"/>	A <input type="radio"/> > 65%	100 10 1			
<input type="radio"/> 4	<input type="radio"/> 5	<input type="radio"/> 6	<input type="checkbox"/> Productive	<input type="text"/>	B <input type="radio"/> 30÷65%	<table border="1"><tr><td>0</td><td>0</td><td>0</td></tr></table>	0	0	0
0	0	0							
<input type="radio"/> 7	<input type="radio"/> 8	<input type="radio"/> 9	<input type="checkbox"/> Trade	<input type="text"/>	C <input type="radio"/> < 30%	<table border="1"><tr><td>1</td><td>1</td><td>1</td></tr></table>	1	1	1
1	1	1							
<input type="radio"/> 10	<input type="radio"/> 11	<input type="radio"/> ≥12	<input type="checkbox"/> Offices	<input type="text"/>	D <input type="radio"/> Under Construction	<table border="1"><tr><td>2</td><td>2</td><td>2</td></tr></table>	2	2	2
2	2	2							
N° Basements		<input type="checkbox"/> 46 ÷ 61	<input type="checkbox"/> Public Service	<input type="text"/>	E <input type="radio"/> Unfinished	<table border="1"><tr><td>3</td><td>3</td><td>3</td></tr></table>	3	3	3
3	3	3							
<input type="radio"/> 0	<input type="radio"/> 1	<input type="checkbox"/> 62 ÷ 71	<input type="checkbox"/> Deposit	<input type="text"/>	F <input type="radio"/> Abandoned	<table border="1"><tr><td>4</td><td>4</td><td>4</td></tr></table>	4	4	4
4	4	4							
<input type="radio"/> ≥3	<input type="radio"/> 2	<input type="checkbox"/> 72 ÷ 81	<input type="checkbox"/> Strategic	<input type="text"/>		<table border="1"><tr><td>5</td><td>5</td><td>5</td></tr></table>	5	5	5
5	5	5							
		<input type="checkbox"/> 82 ÷ 91	<input type="checkbox"/> Touristic - Accomodation	<input type="text"/>		<table border="1"><tr><td>6</td><td>6</td><td>6</td></tr></table>	6	6	6
6	6	6							
		<input type="checkbox"/> 91 ÷ 02				<table border="1"><tr><td>7</td><td>7</td><td>7</td></tr></table>	7	7	7
7	7	7							
		<input type="checkbox"/> ≥ 2002				<table border="1"><tr><td>8</td><td>8</td><td>8</td></tr></table>	8	8	8
8	8	8							
						<table border="1"><tr><td>9</td><td>9</td><td>9</td></tr></table>	9	9	9
9	9	9							





Fill the form - Practitioners

2. Description of Building

2) Description of the Building			
Metrics			
N° Total floors with basement	Average floor height [m]	Average floor area [m ²]	
<input type="radio"/> 1 <input type="radio"/> 9	1 <input type="radio"/> < 2.50	A <input type="radio"/> < 50	I <input type="radio"/> 401 - 500
<input type="radio"/> 2 <input type="radio"/> 10	2 <input type="radio"/> 2.50 ÷ 3.50	B <input type="radio"/> 51 - 70	L <input type="radio"/> 501 - 650
<input type="radio"/> 3 <input type="radio"/> 11	3 <input type="radio"/> 3.51 ÷ 5.0	C <input type="radio"/> 71 - 100	M <input type="radio"/> 651 - 900
<input type="radio"/> 4 <input type="radio"/> 12	4 <input type="radio"/> > 5.0	D <input type="radio"/> 101 - 130	N <input type="radio"/> 901 - 1200
<input type="radio"/> 5 <input type="radio"/> > 12		E <input type="radio"/> 131 - 170	O <input type="radio"/> 1201 - 1600
<input type="radio"/> 6	N° Basements	F <input type="radio"/> 171 - 230	P <input type="radio"/> 1601 - 2200
<input type="radio"/> 7	A <input type="radio"/> 0 C <input type="radio"/> 2	G <input type="radio"/> 231 - 300	Q <input type="radio"/> 2201 - 3000
<input type="radio"/> 8	B <input type="radio"/> 1 D <input type="radio"/> ≥ 3	H <input type="radio"/> 301 - 400	R <input type="radio"/> > 3000

- Total floors+basements: from foundation to attic (only if accessible).
- Basements: height above ground < 1/2 total height of floor.
- Average Floor Height: if substantial variation between floors → select height best approximates average height of all floors.
- Average Floor Area: if substantial variation between areas → select range best identifies average area of all floors.



Fill the form - Citizens

2. Description of Building

N° of floors		
N° Total floors with basement		
<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3
<input type="radio"/> 4	<input type="radio"/> 5	<input type="radio"/> 6
<input type="radio"/> 7	<input type="radio"/> 8	<input type="radio"/> 9
<input type="radio"/> 10	<input type="radio"/> 11	<input type="radio"/> ≥12
N° Basements		
<input type="radio"/> 0	<input type="radio"/> 1	<input type="radio"/> 2
<input type="radio"/> ≥3		

- Total floors+basements: from foundation to attic (only if accessible).
- Basements: height above ground < 1/2 total height of floor.





Fill the form – Practitioners and Citizens

2. Description of Building

Age	
Construction and renovation [max 2]	
1	<input type="checkbox"/> ≤ 1919
2	<input type="checkbox"/> 19 ÷ 45
3	<input type="checkbox"/> 46 ÷ 61
4	<input type="checkbox"/> 62 ÷ 71
5	<input type="checkbox"/> 72 ÷ 81
6	<input type="checkbox"/> 81 ÷ 91
7	<input type="checkbox"/> 91 ÷ 02
8	<input type="checkbox"/> ≥ 2002

Period in which building was built or when it has been subjected to a **significant restoration** (structural part).

Remember: max 2 choices!





Fill the form – Practitioners and Citizens

2. Description of Building

Use - Exposure												
Type of Use	N° units of use	% of Use	Occupants									
<input type="checkbox"/> Housing		A <input type="radio"/> > 65%	<table border="1"> <tr> <td>100</td> <td>10</td> <td>1</td> </tr> <tr> <td>0</td> <td>0</td> <td>0</td> </tr> </table>	100	10	1	0	0	0			
100	10	1										
0	0	0										
<input type="checkbox"/> Productive		B <input type="radio"/> 30÷65%	<table border="1"> <tr> <td>1</td> <td>1</td> <td>1</td> </tr> </table>	1	1	1						
1	1	1										
<input type="checkbox"/> Trade		C <input type="radio"/> < 30%	<table border="1"> <tr> <td>2</td> <td>2</td> <td>2</td> </tr> </table>	2	2	2						
2	2	2										
<input type="checkbox"/> Offices		D <input type="radio"/> Under Construction	<table border="1"> <tr> <td>3</td> <td>3</td> <td>3</td> </tr> <tr> <td>4</td> <td>4</td> <td>4</td> </tr> <tr> <td>5</td> <td>5</td> <td>5</td> </tr> </table>	3	3	3	4	4	4	5	5	5
3	3	3										
4	4	4										
5	5	5										
<input type="checkbox"/> Public Service		E <input type="radio"/> Unfinished	<table border="1"> <tr> <td>6</td> <td>6</td> <td>6</td> </tr> </table>	6	6	6						
6	6	6										
<input type="checkbox"/> Deposit		F <input type="radio"/> Abandoned	<table border="1"> <tr> <td>7</td> <td>7</td> <td>7</td> </tr> </table>	7	7	7						
7	7	7										
<input type="checkbox"/> Strategic			<table border="1"> <tr> <td>8</td> <td>8</td> <td>8</td> </tr> </table>	8	8	8						
8	8	8										
<input type="checkbox"/> Touristic - Accomodation			<table border="1"> <tr> <td>9</td> <td>9</td> <td>9</td> </tr> </table>	9	9	9						
9	9	9										
Property		A <input type="radio"/> Public	B <input type="radio"/> Private									

- Select all kind of use take place in bld and related no. of units.
- % Use: indicate % use for spatial and/or temporal term according to 3 levels or, if building is not used, choose between 3 alternatives.
- Occupants: average n° of persons usually presents.
- Type of Property: if public or private.



Fill the form – Practitioners

3. Structural Data

3) Structural Data	
Vertical Structure of the Building	
Masonry	Reinforced Concrete
	<p>If the building is in reinforced concrete:</p> <p>B.1 <input type="checkbox"/> The building has no walls at floors:</p> <p><input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4</p> <p><input type="checkbox"/> 5 <input type="checkbox"/> 6 <input type="checkbox"/> 7 <input type="checkbox"/> 8</p> <p><input type="checkbox"/> 9 <input type="checkbox"/> 10 <input type="checkbox"/> 11 <input type="checkbox"/> ≥12</p> <p>B.2 <input type="checkbox"/> The building has partially walls at floors:</p> <p><input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4</p> <p><input type="checkbox"/> 5 <input type="checkbox"/> 6 <input type="checkbox"/> 7 <input type="checkbox"/> 8</p> <p><input type="checkbox"/> 9 <input type="checkbox"/> 10 <input type="checkbox"/> 11 <input type="checkbox"/> ≥12</p> <p>B.3 <input type="checkbox"/> The building is composed totally by walls</p> <p>B.4 <input type="checkbox"/> The building has RC shear walls</p>
A <input type="radio"/>	B <input type="radio"/>

- Choose if Vertical Structure is made of **MASONRY** or **R.C.**

- If **R.C.** → concentrate your attention on walls

No walls

Walls everywhere

Partially walls

R.C. Shear Walls





Fill the form – Citizens

3. Structural Data

3) Main Material of the Building's Vertical Structure		
Masonry	Reinforced Concrete	If the building is in reinforced concrete:
		<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; vertical-align: top;"> B.1 <input type="checkbox"/> The building has no walls at floor(s): <input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4 <input type="checkbox"/> 5 <input type="checkbox"/> 6 <input type="checkbox"/> 7 <input type="checkbox"/> 8 <input type="checkbox"/> 9 <input type="checkbox"/> 10 <input type="checkbox"/> 11 <input type="checkbox"/> ≥12 </td> <td style="width: 50%; vertical-align: top;"> B.2 <input type="checkbox"/> The building has partially walls at floor(s): <input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4 <input type="checkbox"/> 5 <input type="checkbox"/> 6 <input type="checkbox"/> 7 <input type="checkbox"/> 8 <input type="checkbox"/> 9 <input type="checkbox"/> 10 <input type="checkbox"/> 11 <input type="checkbox"/> ≥12 </td> </tr> </table>
B.1 <input type="checkbox"/> The building has no walls at floor(s): <input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4 <input type="checkbox"/> 5 <input type="checkbox"/> 6 <input type="checkbox"/> 7 <input type="checkbox"/> 8 <input type="checkbox"/> 9 <input type="checkbox"/> 10 <input type="checkbox"/> 11 <input type="checkbox"/> ≥12	B.2 <input type="checkbox"/> The building has partially walls at floor(s): <input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4 <input type="checkbox"/> 5 <input type="checkbox"/> 6 <input type="checkbox"/> 7 <input type="checkbox"/> 8 <input type="checkbox"/> 9 <input type="checkbox"/> 10 <input type="checkbox"/> 11 <input type="checkbox"/> ≥12	
A <input type="radio"/>	B <input type="radio"/>	B.3 <input type="checkbox"/> The building is composed totally by walls

- Choose if Vertical Structure is made of **MASONRY** or **R.C.**

- If **R.C.** → concentrate your attention on walls



Fill the form – Practitioners and Citizens

3. Structural Data

B.1 No walls at one floor



B.2 Partially walls at four floors



B.3 Totally Walls



B.4 R.C. Shear Walls



Fill the form - Citizens

The form for Citizens ends here with information regarding the main material of the vertical structure.

If Citizens would like to give us more details, please fill the notes.

At the end of the form, quickly information and the meaning of each section are available.

Remember Citizens to sign and to insert the date.



Fill the form - Practitioners

3. Structural Data

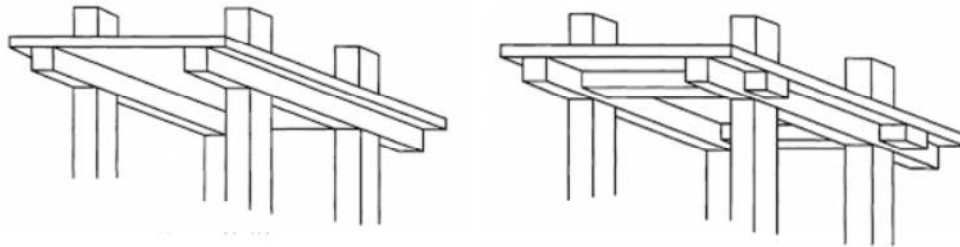
Horizontal Structure				
Not identified	Solid slab with drop beams	Reinforced concrete ribbed slab	Reinforced concrete slab	Steel concrete slab
<input type="radio"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

- If it is possible to understand the structure, choose between 4 horizontal typologies
- Otherwise, choose “Not Identified”

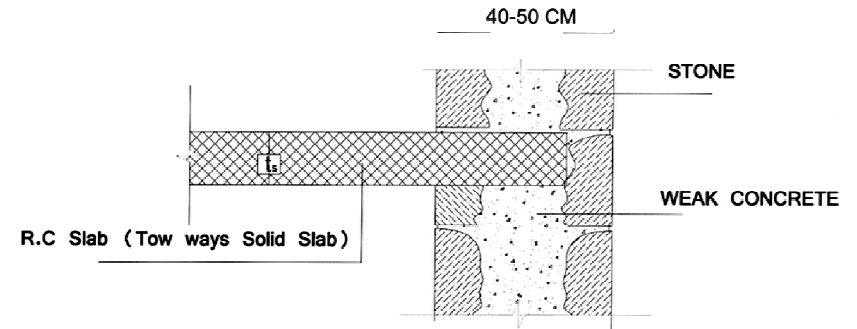


Fill the form - Practitioners

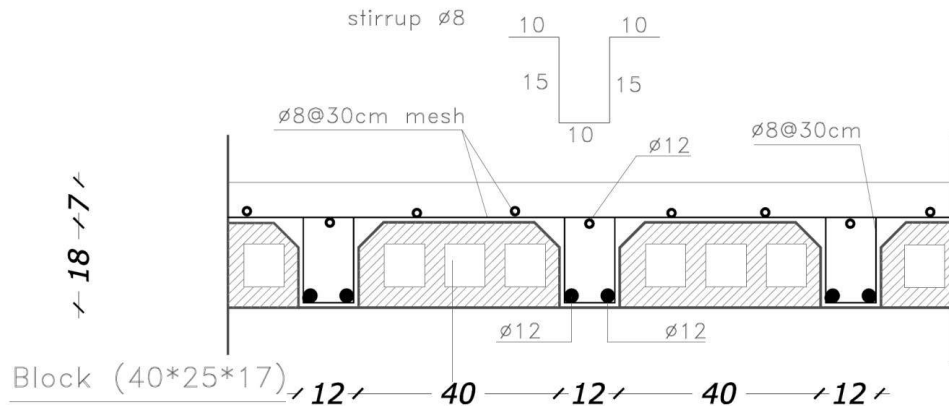
3. Structural Data



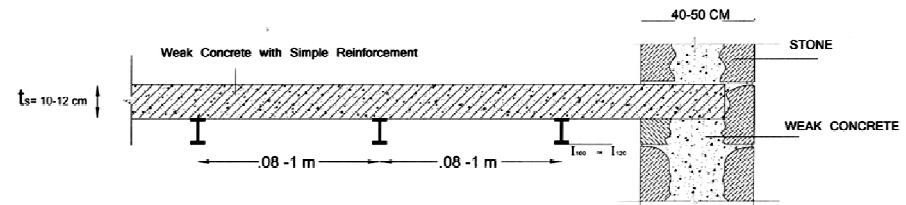
Solid Slab with drop beams



Reinforced Concrete Slab



Reinforced Concrete Ribbed Slab



Steel Concrete Slab



Fill the form - Practitioners

3. Structural Data

Roof			
Heavy and flat	Heavy and sloped	Light and flat	Light and sloped
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

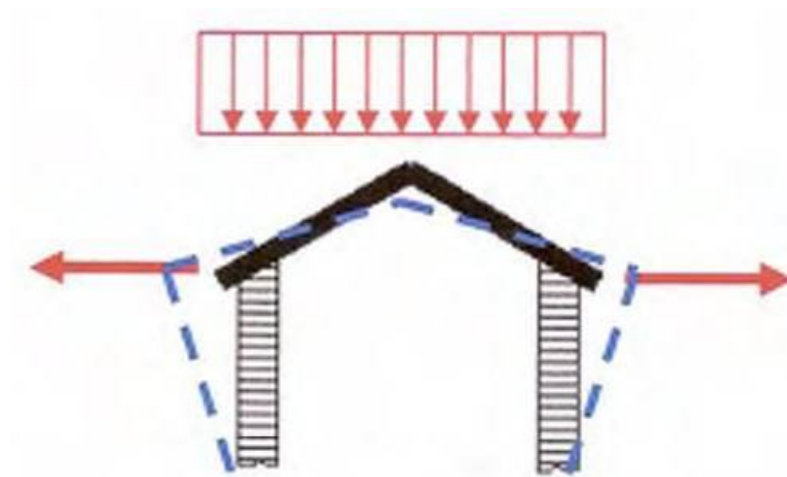
- **Heavy or Light Roof**
- Heavy Roof: reinforced concrete
- Light Roof: wood or steel (no plates/tiles like natural stones)

- **Flat or Sloped Roof:** specify if the roof is flat or sloped, if so it will transfer thrusts to the perimeter walls



Fill the form - Practitioners

3. Structural Data



Sloped roof (Thrusting)



Flat roof

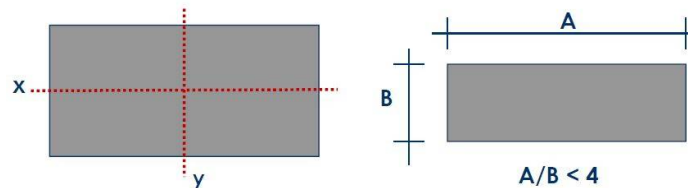
Fill the form - Practitioners

4. Regularity

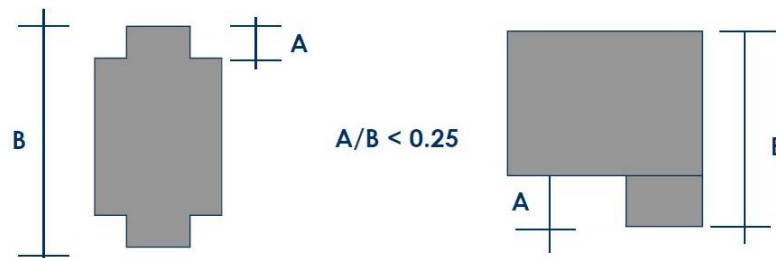
4) Regularity			
In plan		In elevation	
Regular	Not regular	Regular	Not regular
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Plan Regularity (§ 4.2.3.2 UNI EN 1998-1:2005)

- Structure approximately symmetrical in plan with respect to 2 orthogonal axes;



- Plan configuration compact (pay attention to re-entrant corners);



Fill the form - Practitioners

4. Regularity

Plan Regularity (§ 4.2.3.2 EN 1998-1:2005)

- In-plan stiffness of floors > lateral stiffness of vertical structure (carefully examine L, C, H, I, X plan shape buildings);



- $\lambda = L_{\max}/L_{\min} < 4$

$$e_{ox} \leq 0,30 \cdot r_x$$

$$r_x \geq I_s$$

e_{ox} (eccentricity): distance between the center of stiffness and the center of mass, measured along the x direction;

r_x (torsional radius): the square root of the ratio of the torsional stiffness to the lateral stiffness in the y direction;

I_s : radius of gyration of the floor mass in plan.



Fill the form - Practitioners

4. Regularity

Plan Regularity (§ 4.2.3.2 EN 1998-1:2005)



Regular in plan



Not regular in plan

Fill the form - Practitioners

4. Regularity

4) Regularity			
In plan		In elevation	
Regular	Not regular	Regular	Not regular
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Regularity in Elevation (§ 4.2.3.3 UNI EN 1998-1:2005)

- Lateral load resisting systems (cores, structural walls, frames) have **no** interruption from foundations to top;
- Lateral stiffness and mass of individual storeys constant or reduce gradually;
- Additional conditions when setbacks are present.



Fill the form - Practitioners

4. Regularity

Regularity in Elevation (§ 4.2.3.3 EN 1998-1:2005)



Regular in elevation



Not regular in elevation



Fill the form

5. Geomorphological Data

5) Geomorphological Data						
Morphology site				Landslides		Category of soil foundation
Ridge	Strong slope	Slight slope	Lowland	Absent	Existing	
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="checkbox"/>

Simple observation of **Morphology Site** of building surroundings:

- Ridge (high vulnerability), Strong Slope (foundation displacement), Slight Slope, Lowland;



Observe if landslide phenomena are present.





Fill the form - Practitioners

5. Geomorphological Data

Finally, according to the following table (§ 3.1.2 EN 1998-1:2005), select the category of foundation:

Soil type	Description of stratigraphic profile	Parameters		
		$V_{S,30}$ (m/s)	N_{SPT} (blows/30 cm)	C_u (kPa)
A	Rock or other rock-like geological formation, including at most 5 m of weaker material at the surface.	>800	-	-
B	Deposits of very dense sand, gravel, or very stiff clay, at least several tens of metres in thickness, characterized by a gradual increase of mechanical properties with depth.	360-800	>50	>250
C	Deep deposits of dense or medium-dense sand, gravel or stiff clay with thickness from several tens to many hundreds of meters.	180-360	15-50	70-250
D	Deposits of loose-to-medium cohesionless soil (with or without Some soft cohesive layers), or of predominantly soft-to-firm cohesive soil.	<180	<15	<70
E	A soil profile consisting of a surface alluvium layer with v_s values of type C or D and thickness varying between about 5 m and 20 m, underlain by stiffer material with $v_s > 800$ m/s.			
S₁	Deposits consisting, or containing a layer at least 10 m thick, of soft clays/silts with a high plasticity index ($PI > 40$) and high water content	<100 (indicative)	-	10-20
S₂	Deposits of liquefiable soils, of sensitive clays, or any other soil profile not included in types A E or S ₁			



Fill the form - Practitioners

5. Geomorphological Data

The following table relates to Soil Classification of the Jordanian Building Code, very similar to UNI EN 1998-1:2005.

Soil type	Description of stratigraphic profile	Parameters		
		$V_{s,30}$ (m/s)	N_{SPT}	C_u (kPa)
S_A	Hard Rock	>1,500	-	-
S_B	Rock	760-1,500	-	-
S_C (B)	Very dense soil and soft rock	360-760	>50	>100
S_D (C)	Stiff soil profile	180 - 360	15 - 50	50 - 100
S_E (D)	A soil profile with $v_s < 180$ m/s or any profile with more than 10 ft. (3048 mm) of soft clay defined as soil with $PI > 20$, $w_{mc} \geq 40\%$ and $s_u < 500$ psf (25 kPa).	<180	<15	<50
S_F	Soils requiring site-specific evaluation. See Section 16329.3.1			

Fill the form - Practitioners

6. Notes

Optional Field, if you want to describe building's features in more details.

Remember the insertion of the date and your signature.

At the end of the form, quickly information and the meaning of each section are available.



Thank you for your attention!

