



BDUA Form 11.2025

Event ref. | | | - | | - | | | | | | | |

## BUILDING DAMAGE &amp; USABILITY ASSESSMENT FORM (visual)

## SECTION 0: INSPECTION IDENTIFICATION

Team code | | | | Form no. | | | | | | / | | Inspection date (d, m, y): | | | | | | | | | |

## SECTION 1: BUILDING IDENTIFICATION

Building no. \_\_\_\_\_ Coordinates KRGJSH E \_\_\_\_\_  
 Street \_\_\_\_\_ N \_\_\_\_\_  
 City/Village \_\_\_\_\_  
 Admin. Unit \_\_\_\_\_ Coordinates WGS84 Lon \_\_\_\_\_  
 Municipality \_\_\_\_\_ Lat \_\_\_\_\_  
 Region \_\_\_\_\_  
 Position of the building: ☐ Isolated ☐ Row-in ☐ Row-end ☐ Corner

## Accompanying identification

Surname | | | | | | | | | | | | | | | | ☐ Tenant  
 Name | | | | | | | | | | | | | | | | ☐ Delegate (with authorization)  
 Phone No | | | | | | | | | | | | | | | | ☐ Delegate (by municipality)  
☐ Owner ☐ Other | | | | | | | | | | | | | | | | ☐ None  
☐ Administrator

*Building layout extracted from online national source with identification of any seismic joints. In case of same building with different structural units, please describe correctly which is inspected in section 11.*

## SECTION 2: BUILDING DESCRIPTION

No. of storeys above ground | | | No. of stories underground | |  
 Average storey height (m) ☐ ≤2,8 ☐ 2,9÷3,4 ☐ 3,5÷5,0 ☐ >5,0 Ground Floor | | | m  
 Average storey area (m²) | | | | |  
 Construction period ☐ Before 1945 ☐ 1945-1970 ☐ 1971-1990 ☐ 1991-2010 ☐ After 2010  
☐ I don't know  
 Structural intervention/retrofitted ☐ Yes Specify year | | | | | ☐ No  
 Use ☐ Residential ☐ Offices ☐ Commerce ☐ Administration  
☐ Education ☐ Health service ☐ Manufacturing ☐ Warehouse  
☐ Other: | | | | | | | | | | | | ☐ I don't know  
 Utilization ☐ Inhabited ☐ Under construction ☐ Abandoned/ not in use  
 No. of occupants \_\_\_\_\_  
☐ Estimated number  
☐ Actual no. according to info received during the visit  
☐ From database  
 Property ☐ Public ☐ Private ☐ I don't know

Comments: \_\_\_\_\_

<div> <div>Lateral load resisting system</div> <div>Interstorey/ floor behaviour</div> </div>	Unidentified/unknown	Lack of lateral load resisting system in any direction	Irregularity in plan	Irregularity in elevation	Proper layout
Unidentified /unknown	<input type="radio"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Not rigid	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="radio"/>
Semi rigid / Panel	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="radio"/>
Rigid floor	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="radio"/>
<div> <div>Additional vulnerability</div> <div><input type="radio"/> unidentified</div> </div>					
<input type="checkbox"/> insufficient seismic joint	<input type="checkbox"/> structure in poor condition				
<input type="checkbox"/> short column	<input type="checkbox"/> informal building				
<input type="checkbox"/> intervention in str. system	<input type="checkbox"/> rooftop extensions				
<input type="checkbox"/> lateral extensions	<input type="checkbox"/> other				

Lateral load resisting system				
<input type="checkbox"/> <b>Masonry</b>		<input type="checkbox"/> bearing walls	<input type="checkbox"/> infill/partition	
		<input type="checkbox"/> stone	<input type="checkbox"/> mud bricks	
		<input type="checkbox"/> clay brick	<input type="checkbox"/> silicate brick	
		<input type="checkbox"/> hollow brick	<input type="checkbox"/> concrete block	
	Stonework	<input type="checkbox"/> irregular	<input type="checkbox"/> regular	
	Ties (wood or r/c)	<input type="radio"/> yes	<input type="radio"/> no	<input type="radio"/> unidentified
	Confined	<input type="radio"/> yes	<input type="radio"/> no	<input type="radio"/> unidentified
<input type="checkbox"/> <b>Reinforced concrete</b>	<input type="checkbox"/> frame	<input type="checkbox"/> core	<input type="checkbox"/> shear wall	
	<input type="radio"/> prefab. frame	<input type="radio"/> LPB	<input type="radio"/> flat slab	
<input type="checkbox"/> <b>Steel</b>	Type:	<input type="checkbox"/> column	<input type="checkbox"/> frame	
	Bracing:	<input type="radio"/> 1 direction	<input type="radio"/> 2 directions	
<input type="checkbox"/> <b>Wood</b>	Type:	<input type="checkbox"/> frame	<input type="checkbox"/> çatma	<input type="checkbox"/> other

Summary of section 3

Seismic design: ☐ inappropriate ☐ partially appropriate ☐ appropriate ☒ precise in section 11

<div> <div>Damage level &amp; extent</div> <div>Missing part</div> </div>	DAMAGE LEVEL										Immediate measures carried out					
	Extreme		Severe		Moderate		Light		None	None	Demolition & removal	Belling and/or rods	Repairs	Propping	Barriers/ protected passage	
	>1/4	<1/4	>1/4	<1/4	>1/4	<1/4	>1/4	<1/4								
Structural elements & pre-existing damages																
Vertical primary seismic elements	○	■	■	■	■	■	■	■	■	○	○	□	□	□	□	□
Connections between vertical & horizontal structural element	○	■	■	■	■	■	■	■	■	○	○	□	□	□	□	□
Floors / Horizontal structural elements	○	■	■	■	■	■	■	■	■	○	○	□	□	□	□	□
Roof	○	■	■	■	■	■	■	■	■	○	○	□	□	□	□	□
Gravity load bearing columns	○	■	■	■	■	■	■	■	■	○	○	□	□	□	□	□
Pre-existing damages		■	■	■	■	■	■	■	■	○						
Infill / partition walls	○	■	■	■	■	■	■	■	■	○	○	□	□	□	□	□

Summary of section 4

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Seismic capacity:      ☐ highly reduced      ☐ moderately reduced      ☐ slightly reduced      ☐ precise in section 11

Type of damage	Observation	Damages	Immediate measures carried out					
			None	Demolition & removal	Prohibited access	Repairs	Propping	Barriers / protected passages
Damage to facade elements, cladding elements		<input type="radio"/>	<input type="radio"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Detachment of plaster, coating, false ceiling		<input type="radio"/>	<input type="radio"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Roof tiles falling, chimneys, gutters,		<input type="radio"/>	<input type="radio"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Cornices falling, parapets, balconies, eaves		<input type="radio"/>	<input type="radio"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Other objects falling (inside and outside)		<input type="radio"/>	<input type="radio"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Stairs (emergency exits)		<input type="radio"/>	<input type="radio"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Damage to drinking water supply network		<input type="radio"/>	<input type="radio"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Damage to sewage water network		<input type="radio"/>	<input type="radio"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Damage to power supply network		<input type="radio"/>	<input type="radio"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> Gas network <input type="checkbox"/> Telecommunication <input type="checkbox"/> Other			<input type="radio"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

**SECTION 6: EXTERNAL DANGERS (and emergency measures carried out)**

Implications  External danger	Not identified	Danger for			Emergency measures	
		Buildings	Access paths	Internal paths	Propping	Barriers / protected passages
Collapse of an adjacent building	<input type="radio"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Falling of other adjacent elements	<input type="radio"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Broken pipes	<input type="radio"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Rockfall / landslide	<input type="radio"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Other:.....	<input type="radio"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

**SECTION 7: SUBSOIL AND FOUNDATION**

Ground morphology	Instability of foundation		Subsoil		
			Description	Eurocode	KTP
<input type="radio"/> Crest	<input type="radio"/> Not identified		Good	<input type="radio"/> A	I
<input type="radio"/> Steep slope	<input type="radio"/> Landslide	<input type="radio"/> Feared/ expected	Medium	<input type="radio"/> B, C	II
<input type="radio"/> Mild slope	<input type="radio"/> Liquefaction	<input type="radio"/> Pre-existents	Poor	<input type="radio"/> D, E	III
<input type="radio"/> Flat	<input type="radio"/> Settlement	<input type="radio"/> Caused by earthquake	Special	<input type="radio"/> S1, S2	
		<input type="radio"/> Worsened by earthquake	Unknown	<input type="radio"/>	

**SECTION 8: SUMMARY SECTIONS 3, 4, 5, 6 & 7**

Section 3 Seismic design (layout):	<input type="radio"/> inappropriate	<input type="radio"/> partially appropriate	<input type="radio"/> appropriate	<input type="radio"/> precision in section 11
Section 4 Seismic capacity:	<input type="radio"/> highly reduced	<input type="radio"/> moderately reduced	<input type="radio"/> slightly reduced	<input type="radio"/> precision in section 11
Section 5 Danger from non-structural elements:	<input type="radio"/> high	<input type="radio"/> moderate	<input type="radio"/> low	<input type="radio"/> precision in section 11
Section 6 External danger:	<input type="radio"/> high	<input type="radio"/> moderate	<input type="radio"/> low	<input type="radio"/> precision in section 11
Section 7 Danger related to subsoil/ foundation:	<input type="radio"/> high	<input type="radio"/> moderate	<input type="radio"/> low	<input type="radio"/> precision in section 11

**SECTION 9a: USABILITY ASSESSMENT**

Risk Assessment					Result	
Risk identification						
	Structural (sect. 3 & 4)	Non-structural (sect. 5)	External danger (sect. 6)	Subsoil & foundation (sect. 7)	1	<input type="radio"/> <b>USABLE</b> building
					2	<input type="radio"/> <b>TEMPORARILY UNUSABLE</b> building (totally or partially) but expected to be <b>USABLE</b> after implementation of immediate measures (cf. section 9b)
					3	<input type="radio"/> <b>TEMPORARILY UNUSABLE</b> building A second inspection is required (cf. section 9c)
					4	<input type="radio"/> <b>UNUSABLE</b> building
					5	<input type="radio"/> <b>UNUSABLE</b> building due to external danger
Risk level						
Low	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>		
Low, after implementation of immediate measures (9b)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>		
High	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>		

[illegible][illegible]

Inhabited during inspection:		<input type="radio"/> yes	<input type="radio"/> no
Number of families to be relocated:	_ _ _ _	<input type="radio"/> actual number	<input type="radio"/> estimated number
Number of people to be relocated:	_ _ _ _	<input type="radio"/> actual number	<input type="radio"/> estimated number

**Details of inspection:**

- inspected ☐ outside only ☐ partially ☐ complete (>2/3)

- not inspected, because: ☐ inspection refused ☐ ruin / collapsed ☐ risk of collapse ☐ demolished ☐ reconstruction

☐ under construction ☐ abandoned ☐ unused ☐ absence of accompanying person

☐ other:

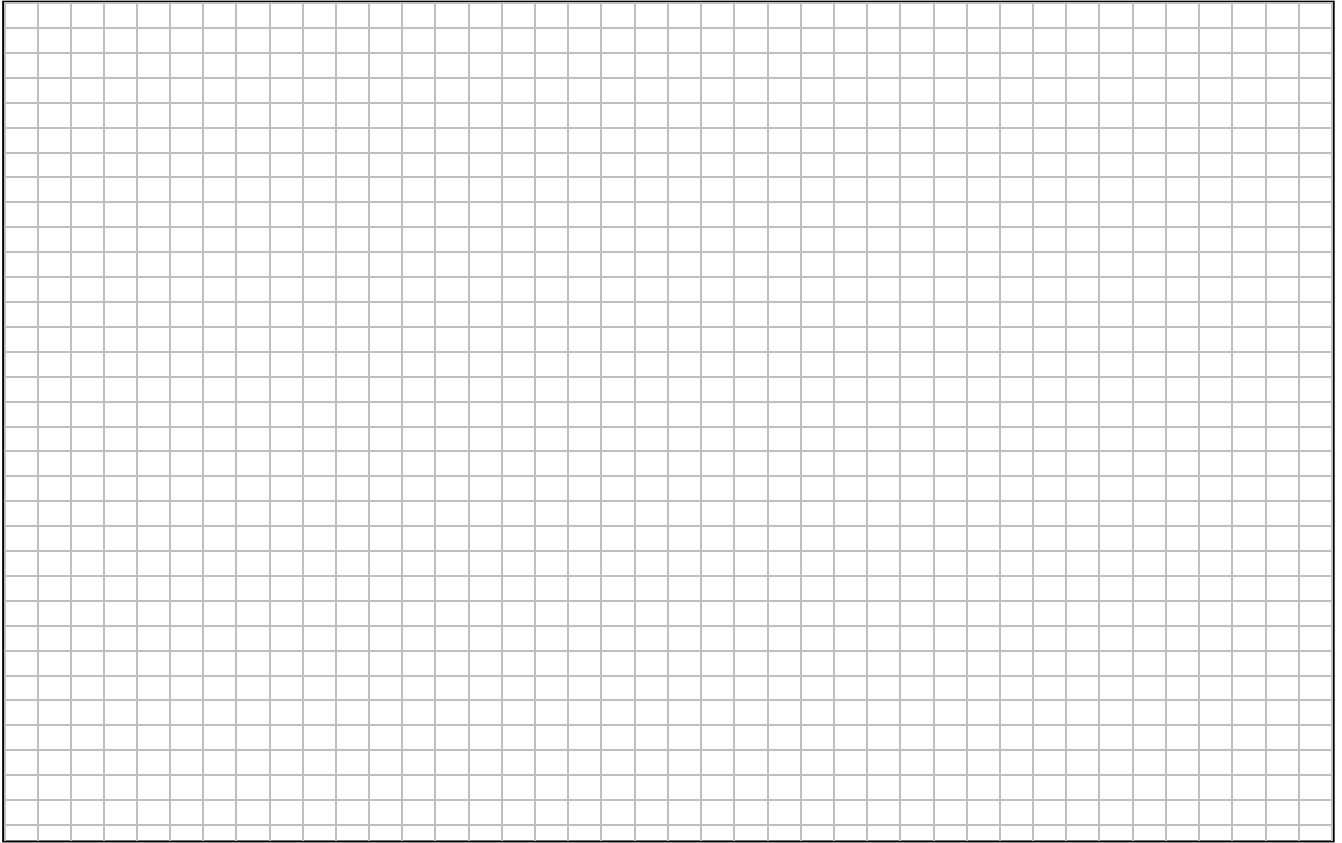
**Building assessment team:**

Last name:	_ _ _ _ _ _ _ _ _ _ _ _ _ _ _	Signature _____
First name:	_ _ _ _ _ _ _ _ _ _ _ _ _ _ _	
Last name:	_ _ _ _ _ _ _ _ _ _ _ _ _ _ _	Signature _____
First name:	_ _ _ _ _ _ _ _ _ _ _ _ _ _ _	
Last name:	_ _ _ _ _ _ _ _ _ _ _ _ _ _ _	Signature _____
First name:	_ _ _ _ _ _ _ _ _ _ _ _ _ _ _	

Last name:

First name:

Signature

**SECTION 11: OTHER COMMENTS, SKETCHES and/or RECORDS**A large rectangular area filled with a fine grid of small squares, intended for sketches, drawings, or detailed records. The grid is composed of 30 columns and 30 rows of squares, creating a total of 900 small squares. The grid is enclosed within a double-line border.