

From Blockbusters and Mass Evacuation



Wismarer Street

In the late afternoon of Tuesday, August 29th in 2017, an undetonated WW II explosive ordnance was found during planned sounding activities.

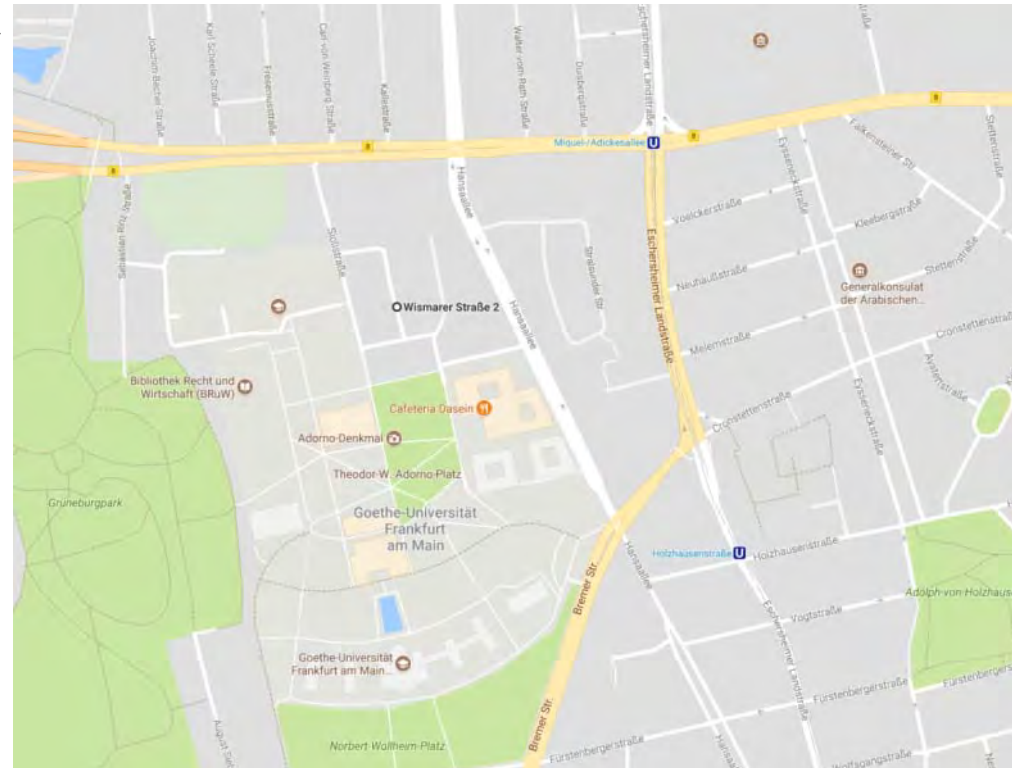
At this time, the size and the resulting consequences were totally unknown...

Situation on scene

At approximately 16.00h, FDCC received a call from the Police and was informed about the discovery of an undetonated WW II bomb at Wismarer street

Deployment of DC 1

- Aerial mine type HC 4000
- 1.4t Explosives (1,8t total)

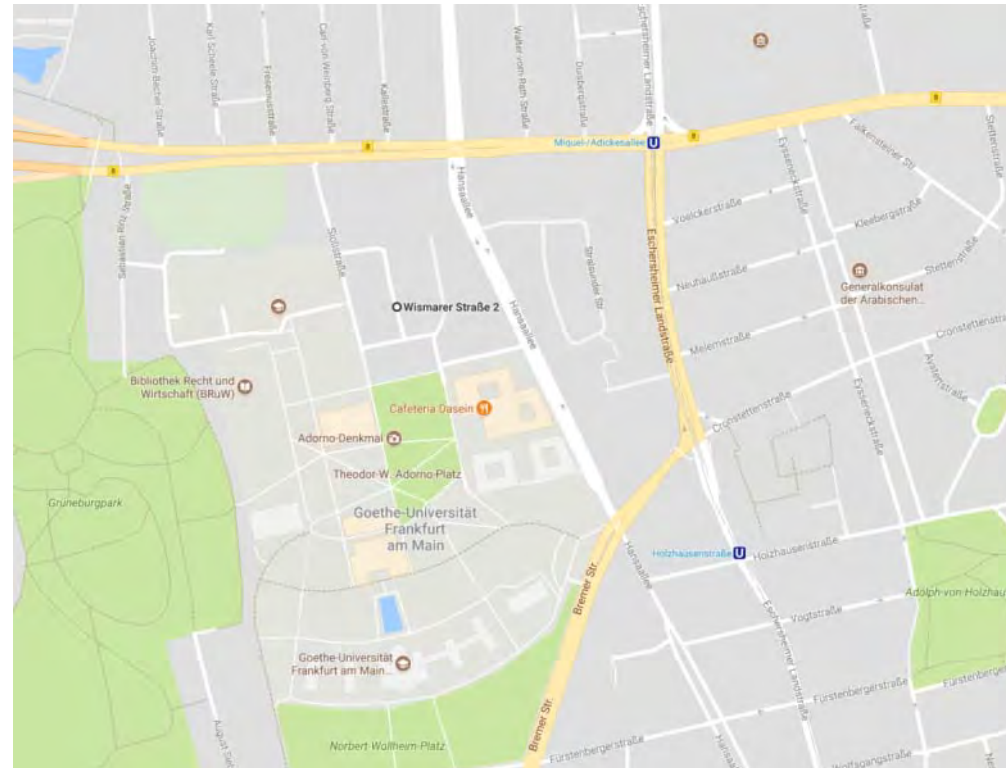


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Deployment of DC 1

- Aerial mine type HC 4000
- 1.4t Explosives (1,8t total)
- Evacuation area 1,5km
- Disarming on Sunday, Sept. 3rd, 12.00hrs
- Duration around 4 hours.



Incident scene



Wednesday, July 30th

Wednesday, July 30th

- First internal meeting at 08:00h (FD intern)
 - Report about the actual situation
 - Collection of facts as available
 - Founding of an internal planning group (resembling EMC)
 - Responsibilities (normally city regulatory department)
 - Generation of first plans and overviews
 - Preparation of a meeting with the Police Department at 10:00h,
Involving:
 - City regulatory department
 - Department of health
 - Department of social affairs
 - Media work

Wednesday, July 30th

- Second meeting at 13:00h (all parties involved)
 - City regulatory department officially ask FD administrative assistance
 - City regulatory department releases official direction for evacuation
 - Press and media work
 - FD and PD together
 - First official statement planned for 18:00h
 - Establishment of a public telephone hotline

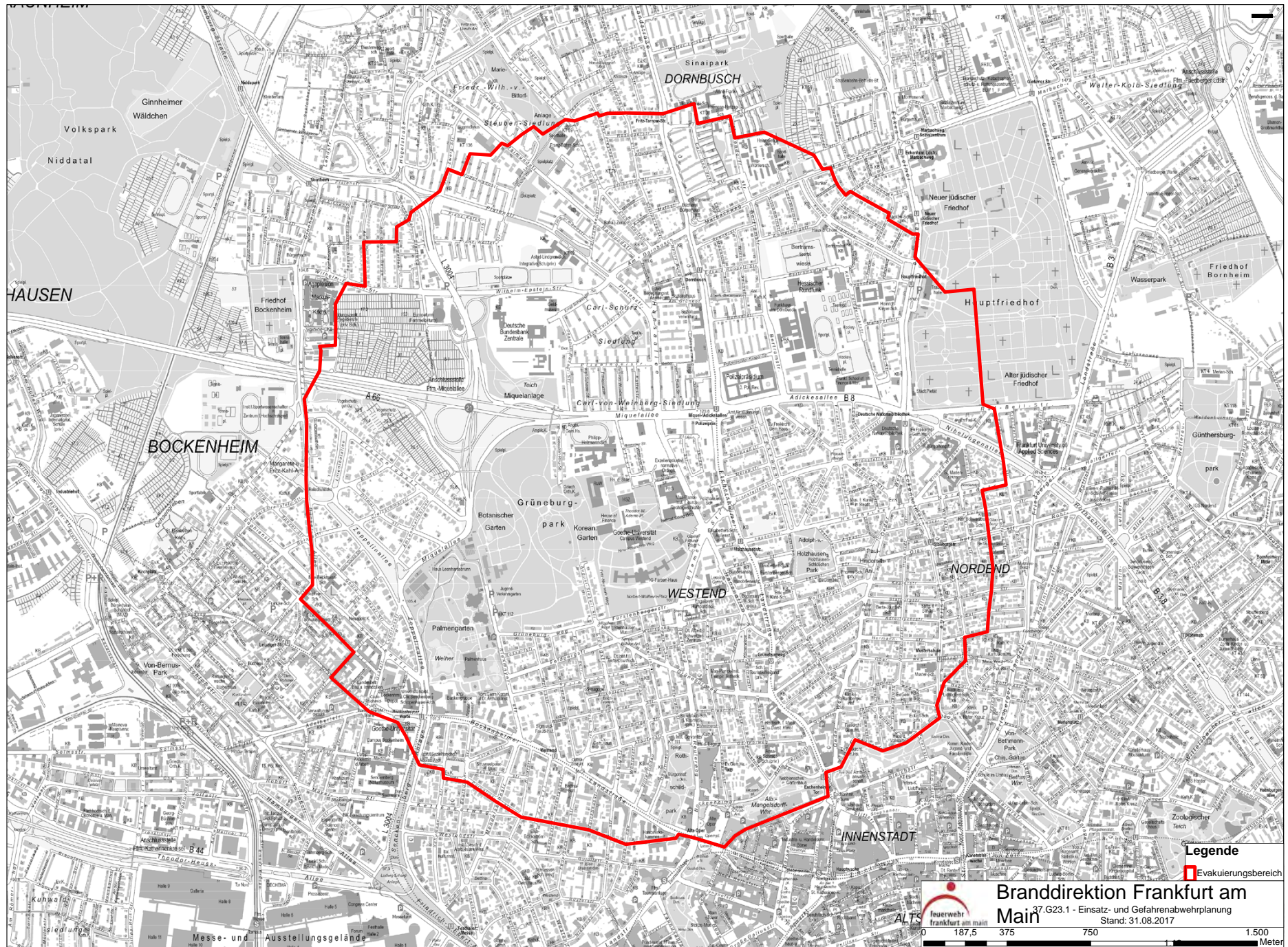
Evacuation zone

- The evacuation zone was determined in cooperation with the state bomb squad. This created the base for the further planning process.
- The evacuation zone was split up in sections

Compareable incidents

- Evacuations due to the deactivation of a device o the same type:
 - Koblenz (04.12.2011, approx. 45.000 people affected)
 - Euskirchen (03.01.2014, detonation during construction work)
 - Augsburg (25.12.2016, approx. 54.000 people affected)

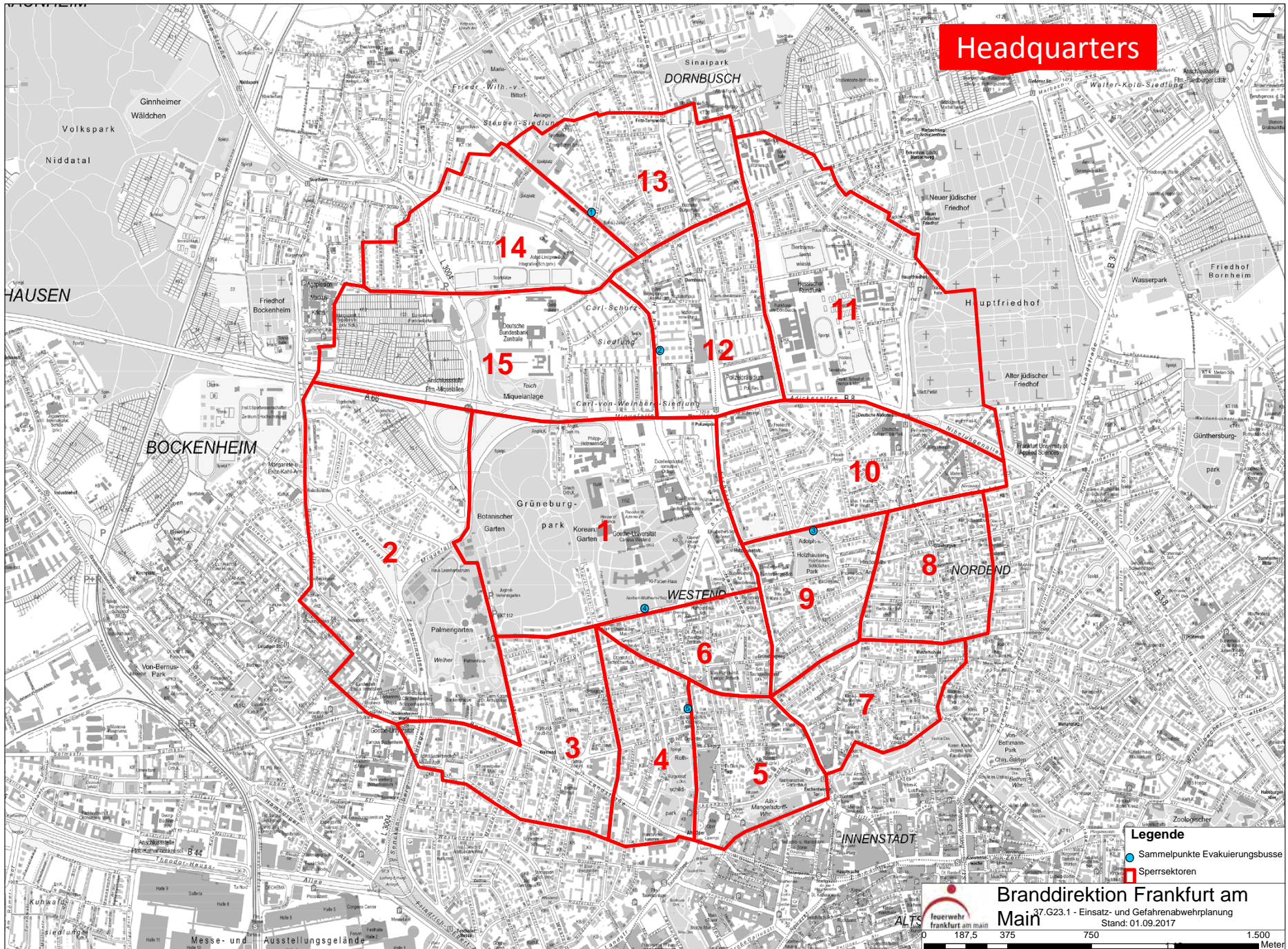




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 Stand: 31.08.2017

Legende
 Evakuierungsbereich





Headquarters

Legende

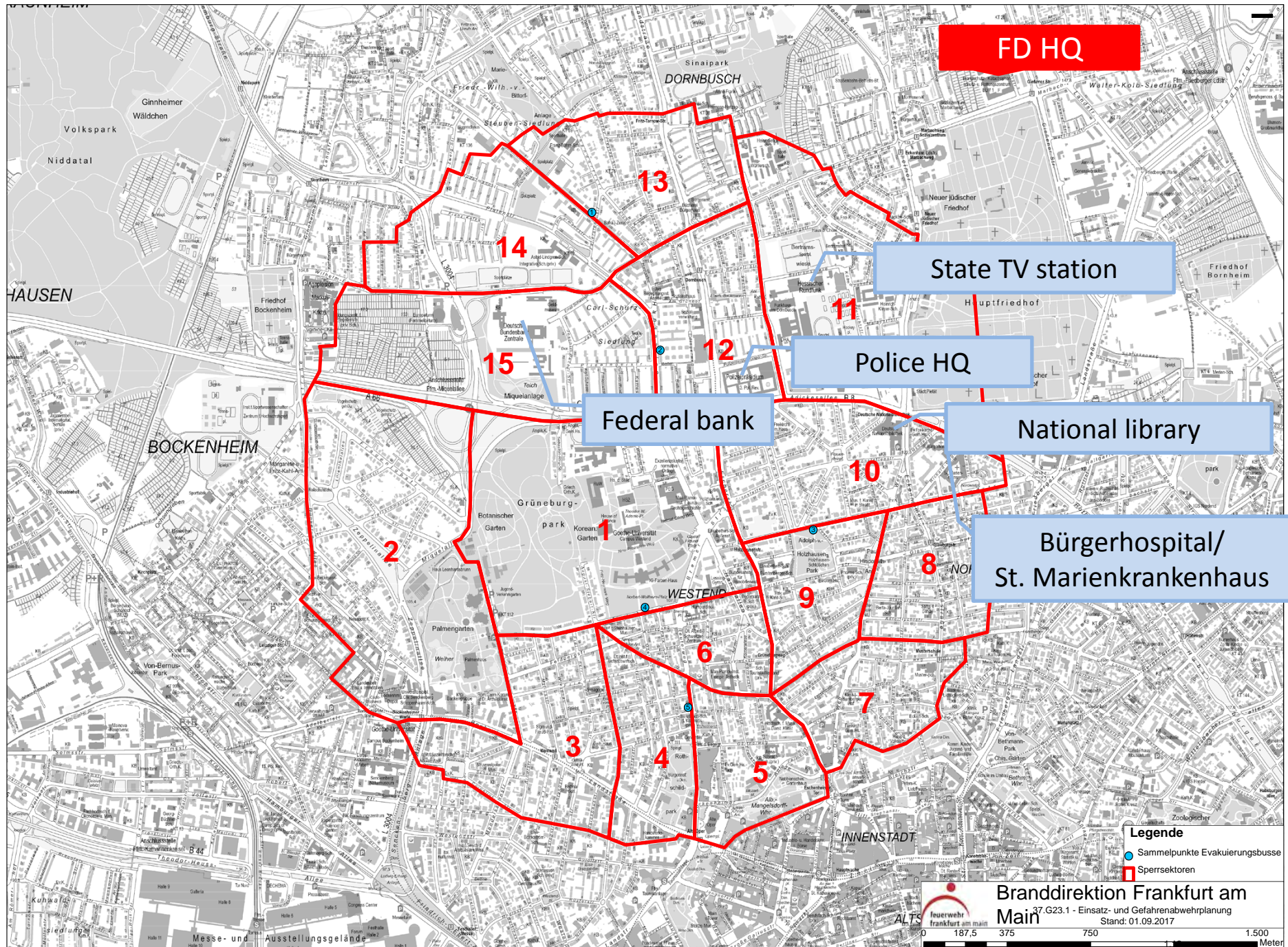
- Sammelpunkte Evakuierungsbusse
- Sperrsektoren

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Inside the zone...

- Persons affected: 60.000- 70.000
- 20 nursing homes
- Hospitals
 - Bürgerhospital
 - St. Marienkrankenhaus (including the state's biggest ward for premature infants)
- Police headquarters
- State radio and TV station
- Federal Bank
- National library
- About 30 consulates
- Germany's biggest Internet connection point



FD HQ

State TV station

Police HQ

Federal bank

National library

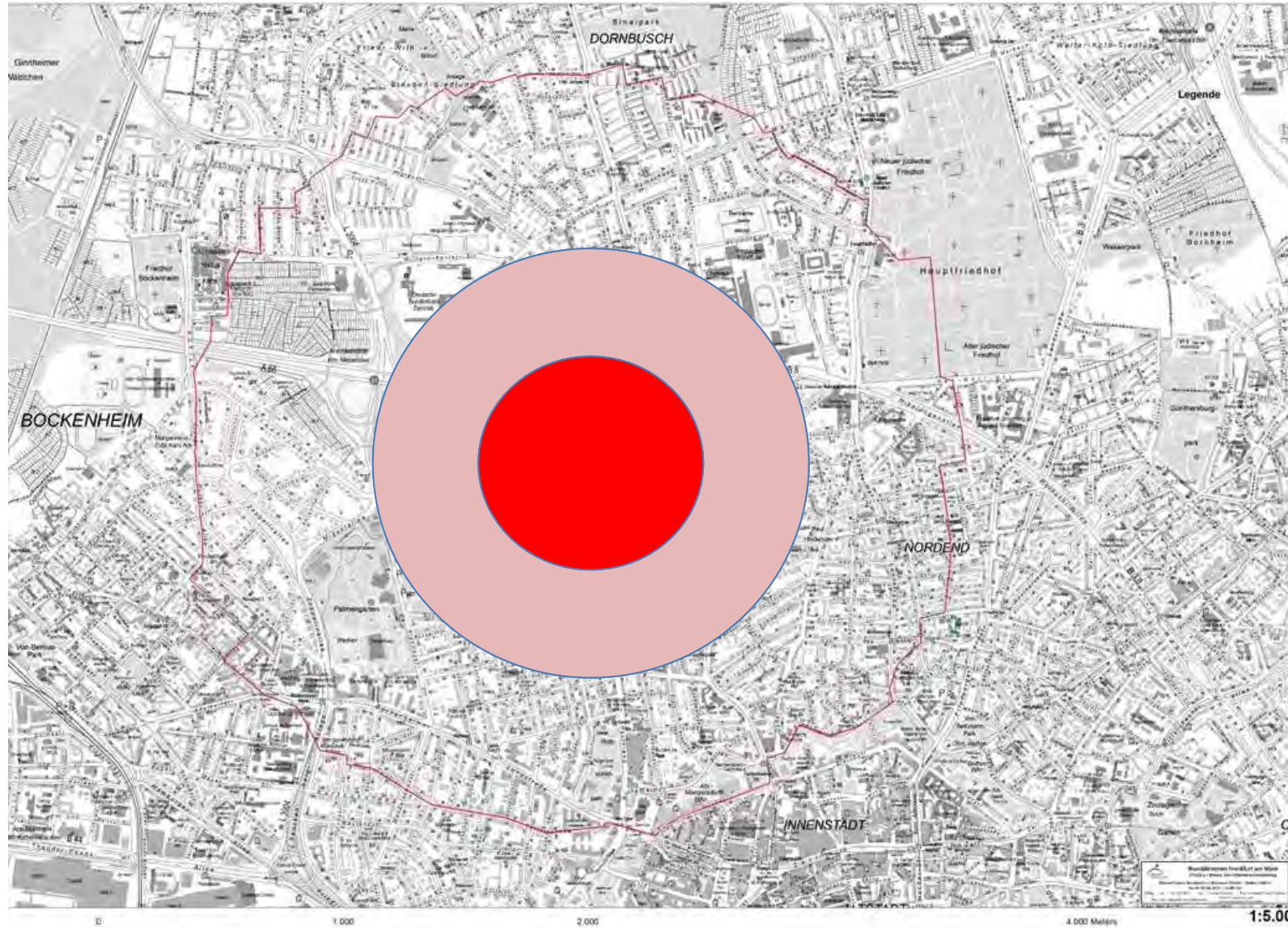
**Bürgerhospital/
St. Marienkrankenhaus**

- Legende**
- Sammelpunkte Evakuierungsbusse
 - Sperrsektoren

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Zone of destruction



Hospitals

Hospitals

- Patients were relocated to neighboring hospital(s)
 - An empty station was put in service
 - Doctors and nurses follow the patients
 - Additional nursing staff was put in service
- Transports:
 - Lying: about 150 (partly ICU)
 - Sitting: about 800
 - Neonatal: about 60

Nursing homes

Nursing homes

- In the evacuation zone: 20 (according to our information)
- Contacting them gave an unclear picture of the situation, partly contradictory information
- Decision: direct investigation on scene, deployment of BC's
- Result:
 - Really existing: 12
 - Help needed at: 6
 - Lying transports: about 50 (to BUK)

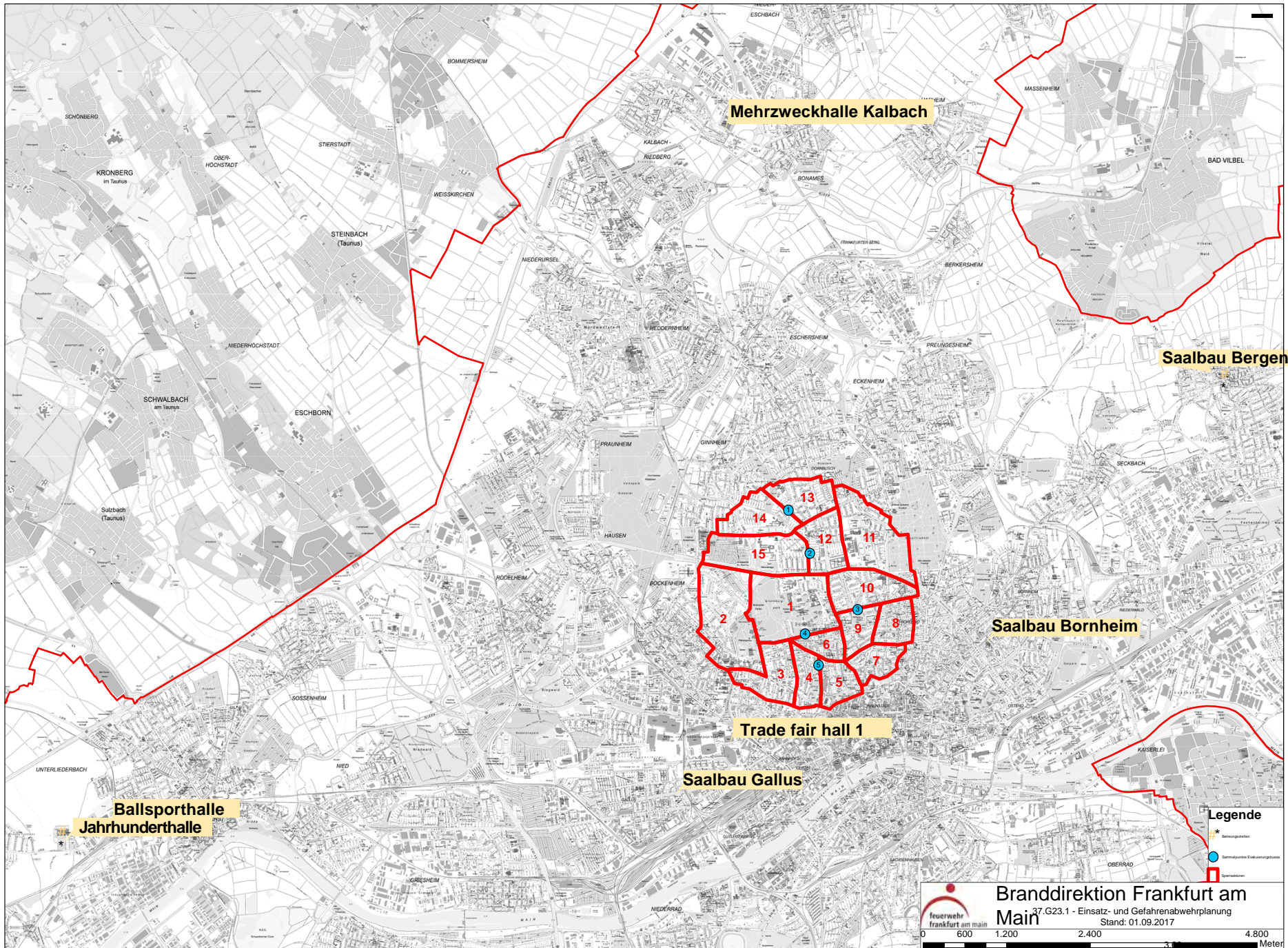
Other special objects

Special objects

- State TV and Radio:
 - Radio program relocated to Kassel (unique mixture)
 - TV broadcast and live report from FD HQ
 - Advantage: Clear rules, no disturbance of FD's operation, short distances/ways
- Federal Bank:
 - Security crew in the safe room
- Police HQ:
 - Complete evacuation, Command was relocated to 13th precinct
- Consulate properties:
 - Complete evacuation
- National library:
 - Complete evacuation

Planning parameters accomodation

- Affected persons: 60.000 – 70.000
- Accomodation without limitations: 7.000 (10%)
- Capacities:
 - Trade fair halls 1.1 and 1.2: 7.000
 - Jahrhunderthalle: 1.000
 - Ballsporthalle (reserve): 4.000



Mehrzweckhalle Kalbach

Saalbau Bergen

Saalbau Bornheim

Trade fair hall 1

Saalbau Gallus

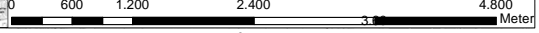
Ballsporthalle
Jahrhunderthalle

Legende

-  Benutzungsstellen
-  Sammelstelle Einheitenabzug
-  Feuerstation



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Preliminary plan of procedures

- Evacuation of ward for premature infants: Friday, Sept. 1st
- Start of evacuation of hospitals: Saturday, Sept. 02nd
- Start of evacuation: Sunday, Sept. 03rd, 06:00h
- Start of disarming: Sunday, Sept. 03rd, around 12:00h
- Return transport after disarming, around 17:00h
- Return transport of ICU patients on Monday, Sept. 4th

Outside situation

- Sufficient time frame
- Evacuation at daytime, return transport at night
- Expected weather conditions are good
- Free entry to all museums

Thursday, August 31st

Collection of further requirements for transportation

- Problem: no central data about home care patients
 - Info dept. of social affairs: About 500 nursing services in the city
- Result: no clear numbers of
 - Lying patients
 - Patients with artificial respiration
- Planning approach: 2 out of 1000 persons, = 150 persons
- Solution: Creation of a special data base for transport registration
 - Online form for transport registration
 - Also registration through public telephone hotline

Staffing

Staffing

Frankfurt FD:

- Mass casualties unit
- Incident command:
 - B5 to B10
 - D3 and D4
- Additional staff in the dispatch center
- Public telephone hotline
- All VFD companies
- All EMS companies

Staffing

External units:

- Through ministry of interior:
 - About 30 EMS transportation units
 - 11 Recuperation and care units
 - 8 Mass casualties units
- 30 Busses of the public transport authority
- 25 Special busses für wheelchairs

Emergency management committee (EMC)





Press- and Mediawork

First press conference on Thursday



First press conference on Thursday



Friday, September 1st

Evacuation of ward for premature infants



Saturday, September 2nd

Evacuation of hospitals

Evacuation of hospitals



Evacuation of hospitals



Evacuation of hospitals



Evacuation of hospitals



Evacuation of hospitals



Evacuation of hospitals



Evacuation of hospitals



Evacuation of hospitals



Preparation of the halls

Logistics at HQ



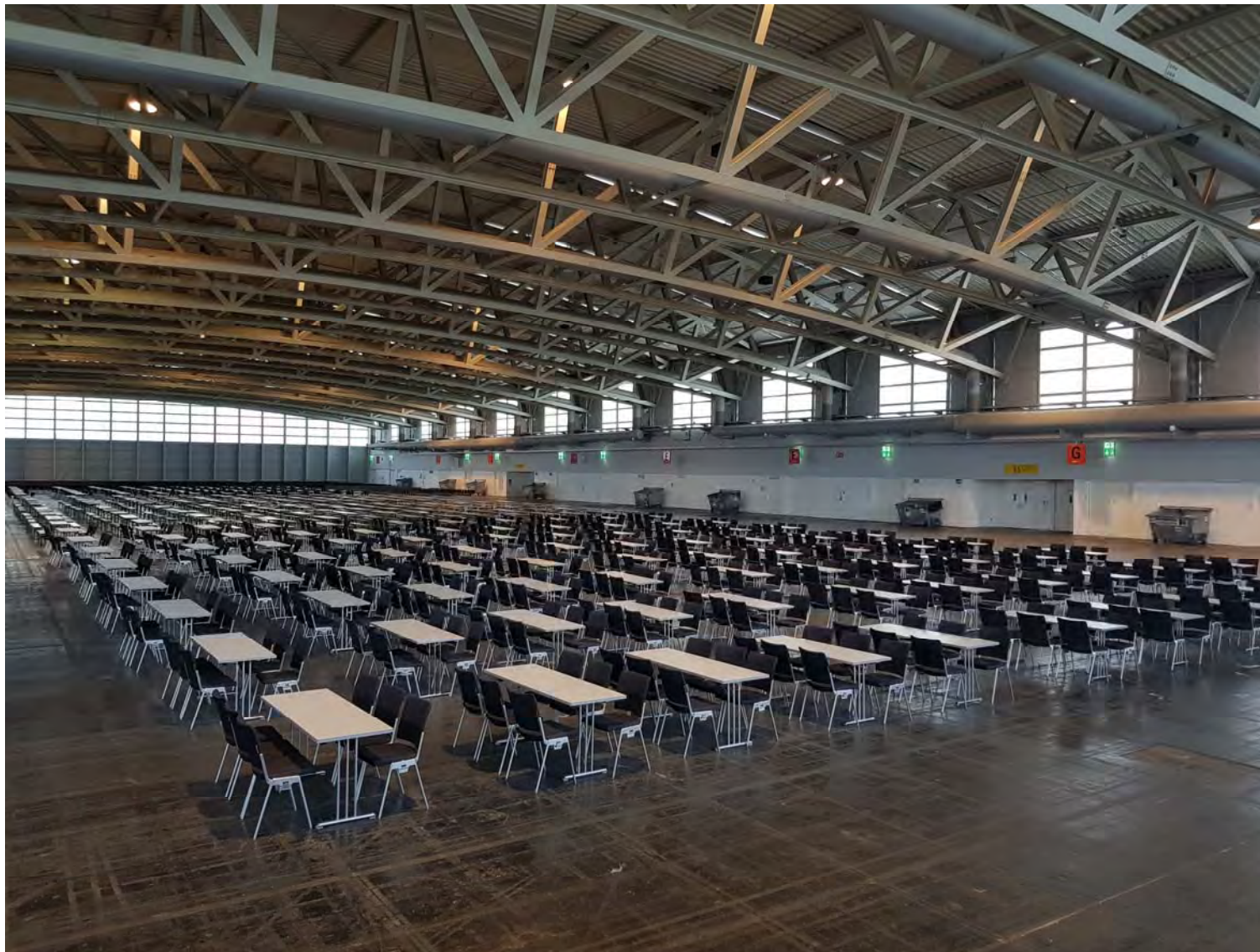
Logistics at HQ



Preparation of the halls



Preparation of the halls



Preparation of the halls

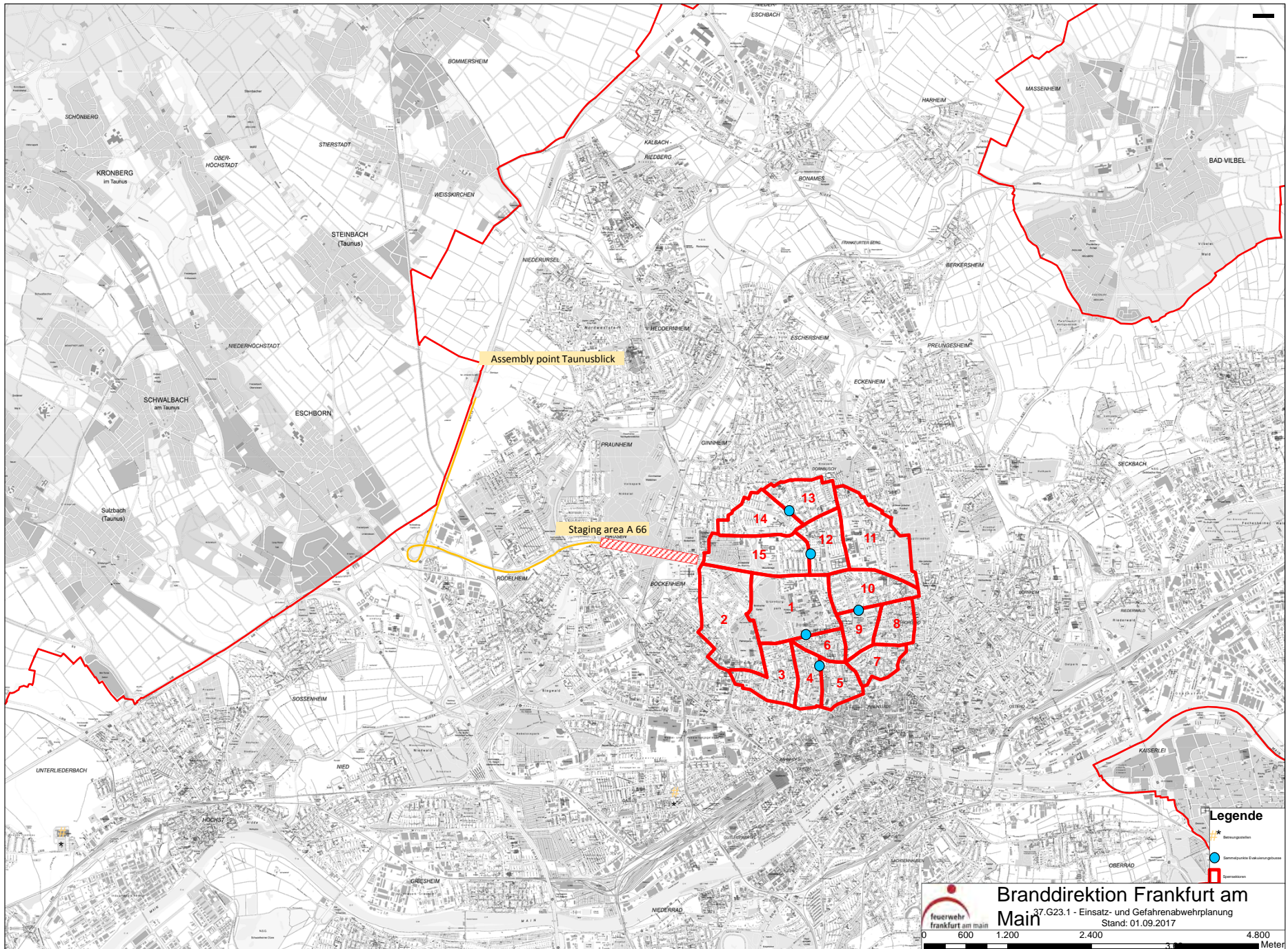


Preparation of the halls



Sunday, September 3rd

Start of Evacuation at 06:00h



Assembly point Taunusblick

Staging area A 66

Legende

-  Samenpunkte
-  Samenpunkte-Erkennungszeichen
-  Operationsort


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0 600 1.200 2.400 4.800
 Meter

Assembly point motorway station “Taunusblick“

Assembly point motorway station “Taunusblick“



Assembly point motorway station “Taunusblick“



Assembly point motorway station “Taunusblick“



Assembly point motorway station “Taunusblick“



Sammelplatz Rastplatz Taunusblick an der A5



Sammelplatz Rastplatz Taunusblick an der A5



Staging area A 66

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Staging area A 66



Staging area A 66



Evacuation

Evacuation

Evacuation

Evacuation

Evacuation

Trade fair hall 1

Trade fair hall 1

Trade fair hall 1

Trade fair hall 1

Nursing homes/ Jahrhunderthalle

Nursing homes

Jahrhunderthalle

Jahrhunderthalle

Jahrhunderthalle

EMC FD HQ

EMC FD HQ



EMC FD HQ



EMC FD HQ



Logistics

Logistics at HQ



Press- and media work

Press- and media center at HQ

Press- and media center at HQ



Press- and media center at HQ



Press- and media center at HQ



Social Media



State TV at HQ



State TV at HQ

State TV at HQ

Public telephone hotline

Public telephone hotline



Public telephone hotline



Einer der Räume fürs Bürgertelefon;
mit Unterstützung der Stadtpolizei.

Start of disarming at 14:30h (+2,5h)

Disarming



**Unplanned break after the removal of the
first igniter.....**

End of disarming 18:33h

Disarming

Disarming

Disarming

Disarming

Summary

Some numbers.....

Vehicles: 450

Transports:

- Hospitals: 150
- Nursing homes lying: 50
- Lying from at home: 150
- Neonatal: 60
- Sitting: 800
- Total about 1200 Transports

Public telephone hotline:

- 30.000 calls in 6 days
- Up to 20 persons working



Conclusions

- Boredom is a killer
- Abilities and structures of other city departments
- For the future from a training perspective:
 - Digitalisation as biggest challenge
 - Press and media work (esp. Social Media) must become an essential part of officer's education
 - More specialists, less universalists
 - Growing cities and abilities of the inhabitants
 - Stability of volunteer structures
- Our luck: We had 5 days to prepare.....
- And:

The next three disarmings were completely different....

