**Building Damage Assessment Visit Report**

**UNF**

BUILDING\_DAMAGE (property\_id, property\_street, property\_town, property\_postcode, lga\_code, lga\_name, building\_id, building\_value, building class, fire\_id, lga\_assessor\_id, lga\_assessor\_givenname, lga\_assessor\_familyname, lga\_assessor\_damage, building\_destroyed, lga\_assessor\_date, ins\_assessor\_id, ins\_assessor\_givenname, ins\_assessor\_familyname, (ins\_assessor\_date-timearrived, ins\_assessor\_date-timedeparted), insurance\_payout)

**1NF**

BUILDING\_DAMAGE (property\_id, building\_id, fire\_id, property\_street, property\_town, property\_postcode, lga\_code, lga\_name, building\_value, building class, lga\_assessor\_id, lga\_assessor\_givenname, lga\_assessor\_familyname, lga\_assessor\_damage, building\_destroyed, lga\_assessor\_date, ins\_assessor\_id, ins\_assessor\_givenname, ins\_assessor\_familyname, insurance\_payout)

BD\_ASSESSOR\_VISIT (property\_id, building\_id, fire\_id, ins\_assessor\_dt\_arrived, insassessor\_dt\_departed)

Partial Dependencies:

property\_id -> property\_street, property\_town, property\_postcode

property\_id, building\_id -> building\_value, building class

**2NF**

BUILDING\_DAMAGE (property\_id, building\_id, fire\_id, lga\_code, lga\_name, lga\_assessor\_id, lga\_assessor\_givenname, lga\_assessor\_familyname, lga\_assessor\_damage, building\_destroyed, lga\_assessor\_date, ins\_assessor\_id, ins\_assessor\_givenname, ins\_assessor\_familyname, insurance\_payout)

PROPERTY (property\_id, property\_street, property\_town, property\_postcode)

BUILDING (property\_id, building\_id, building\_value, building class)

BD\_ASSESSOR\_VISIT (property\_id, building\_id, fire\_id, ins\_assessor\_dt\_arrived, ins\_assessor\_dt\_departed)

Transitive Dependencies:

Lga\_code -> lga\_name

lga­\_assessor\_id -> lga\_assessor\_givenname, lga\_assessor\_familyname

ins\_assessor\_id -> ins\_assessor\_givenname, ins\_assessor\_familyname

**3NF**

BUILDING\_DAMAGE (property\_id, building\_id, fire\_id, lga\_code, lga\_assessor\_id, lga\_assessor\_damage, building\_destroyed, lga\_assessor\_date, ins\_assessor\_id, insurance\_payout)

LGA (lga\_code, lga\_name)

LGA\_ASSESSOR (lga\_assessor\_id, lga\_assessor\_givenname, lga\_assessor\_familyname)

INSURER\_ASSESSOR (ins\_assessor\_id, ins\_assessor\_givenname, ins\_assessor\_familyname)

PROPERTY (property\_id, property\_street, property\_town, property\_postcode)

BUILDING (property\_id, building\_id, building\_value, building\_class)

BD\_ASSESSOR\_VISIT (property\_id, building\_id, fire\_id, ins\_assessor\_dt\_arrived, ins\_assessor\_dt\_departed)

Full Dependencies:

property\_id, building\_id, fire\_id -> lga\_code, lga\_assessor\_id, lga­­­\_assessor\_damage, building\_destroyed, lga\_assessor\_date, ins\_assessor\_id, insurance\_payout

property\_id, building\_id, fire\_id, ins\_assessor\_dt\_arrived -> ins\_assessor\_dt\_departed

property\_id -> property\_street, property\_town, property\_postcode

lga\_code -> lga\_name

property\_id, building\_id -> building\_value, building\_class

lga\_assessor\_id -> lga\_assessor\_givenname, lga\_assessor\_familyname

ins\_assessor\_id -> ins\_assessor\_givenname, ins\_assessor\_familyname

**Building Insurance and Damage History**

**UNF**

PROPERTY (property\_id, building\_id, building\_size, building\_class, building\_value, (insurance\_code, insurance\_name, insurance\_start-date, insurance\_end-date, (event\_id, event\_name, event\_start-date, event\_damage, event\_destroyed)

**1NF**

PROPERTY (property\_id, building\_id, building\_size, building\_class, building\_value)

PROPERTY\_INSURANCE (property\_id, building\_id, insurance\_code, insurance\_name, insurance\_start-date, insurance\_end-date)

PROPERTY\_EVENT (property\_id, building id, event\_id, event\_name, event\_start-date, event\_damage, event\_destroyed)

Partial dependencies:

Building\_id -> building\_size, building\_class

Insurance\_code -> insurance\_name

Event\_id -> event\_name,

**2NF**

PROPERTY (property\_id, building\_id, building\_value)

BUILDING (building\_id, building\_size, building\_class)

PROPERTY\_INSURANCE (property\_id, building\_id, insurance\_code, insurance\_start-date, insurance\_end-date)

INSURANCE (insurance\_code, insurance\_name)

PROPERTY\_EVENT (property\_id, building id, event\_id, event\_start-date, event\_damage, event\_destroyed)

EVENT (event\_id, event\_name)

Transitive Dependencies:

No transitive dependencies present

**3NF**

PROPERTY (property\_id, building\_id, building\_value)

BUILDING (building\_id, building\_size, building\_class)

PROPERTY\_INSURANCE (property\_id, building\_id, insurance\_code, insurance\_start-date, insurance\_end-date)

INSURANCE (insurance\_code, insurance\_name)

PROPERTY\_EVENT (property\_id, building id, event\_id, event\_start-date, event\_damage, event\_destroyed)

EVENT (event\_id, event\_name)

Full dependencies:

property\_id, building\_id -> building\_value

building\_id -> building\_size, building\_class

property\_id, building\_id, insurance\_code -> insurance\_start-date, insurance\_end-date

insurance\_code -> insurance\_name

property\_id, building id, event\_id -> event\_start-date, event\_damage, event\_destroyed