

24,1(2,16,17,20,22,23,31,34)

inserts S[1:]

17,4 Casting\_insert

core\_box\_location

41,1 In\_facility\_location

loose\_piece\_requirement S[1:]

17,2 Loose\_piece

invest\_area S[1:]

10,1 Shape\_element

impression\_shape S[1:]

10,1 Shape\_element

core\_made\_by S[1:]

42,1 Core\_equipment

core\_box\_material

7,5 material\_select

cope\_and\_drag\_parting

10,7 Parting\_surface

offset\_parting\_surface S[1:]

10,7 Parting\_surface

guide\_pin

15,1 Item\_size

draft

10,6 Drafted\_surface

chaplet\_pad\_definiton S[1:]

19,3 Chaplet\_pad

outside\_shape\_of\_core\_box

15,2 implcit\_or\_explicit\_shape

number\_of\_impressions

INTEGER

shrink\_factor

REAL

box\_type

STRING

core\_definition S[1:]

25,1 Core

core\_print\_definition S[1:]

25,2 Core\_print

core\_vent\_size

15,1 Item\_size

vent\_placement

10,5 Planar\_element

vent\_type

STRING

(Production\_pattern\_definition.cores\_for\_pattern)

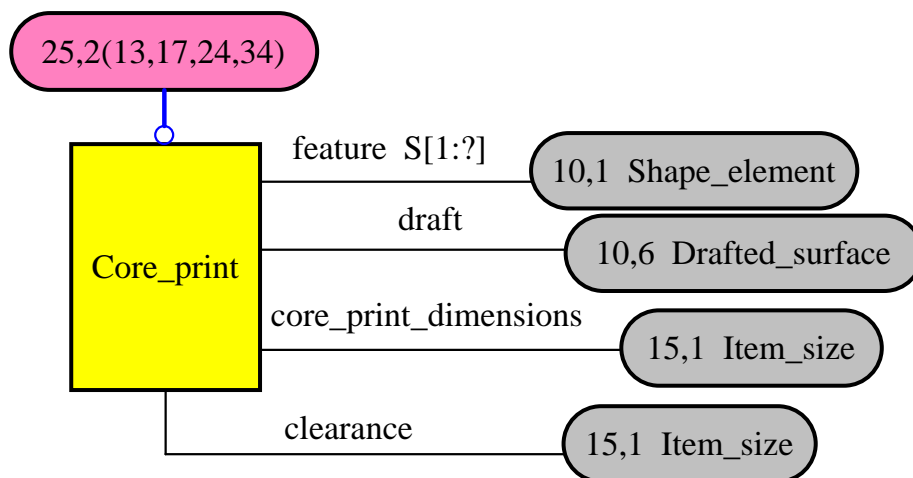
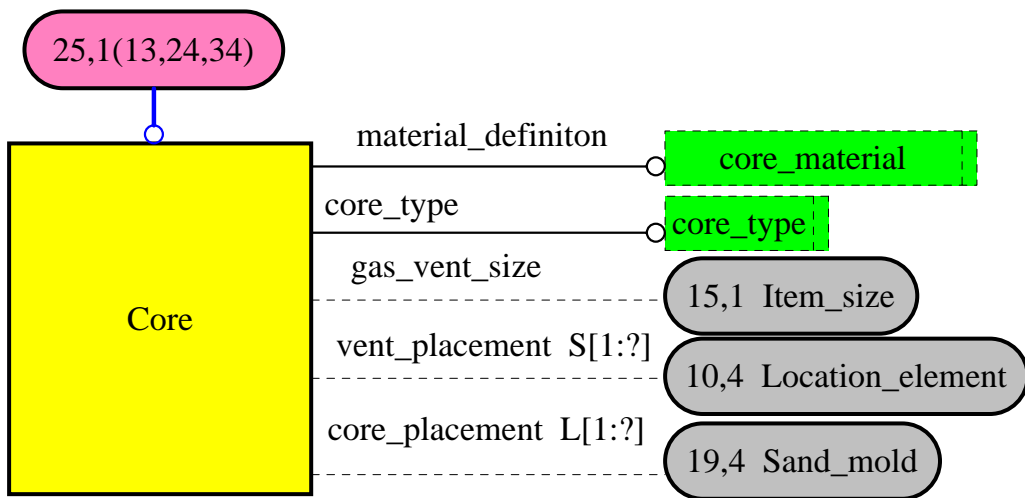
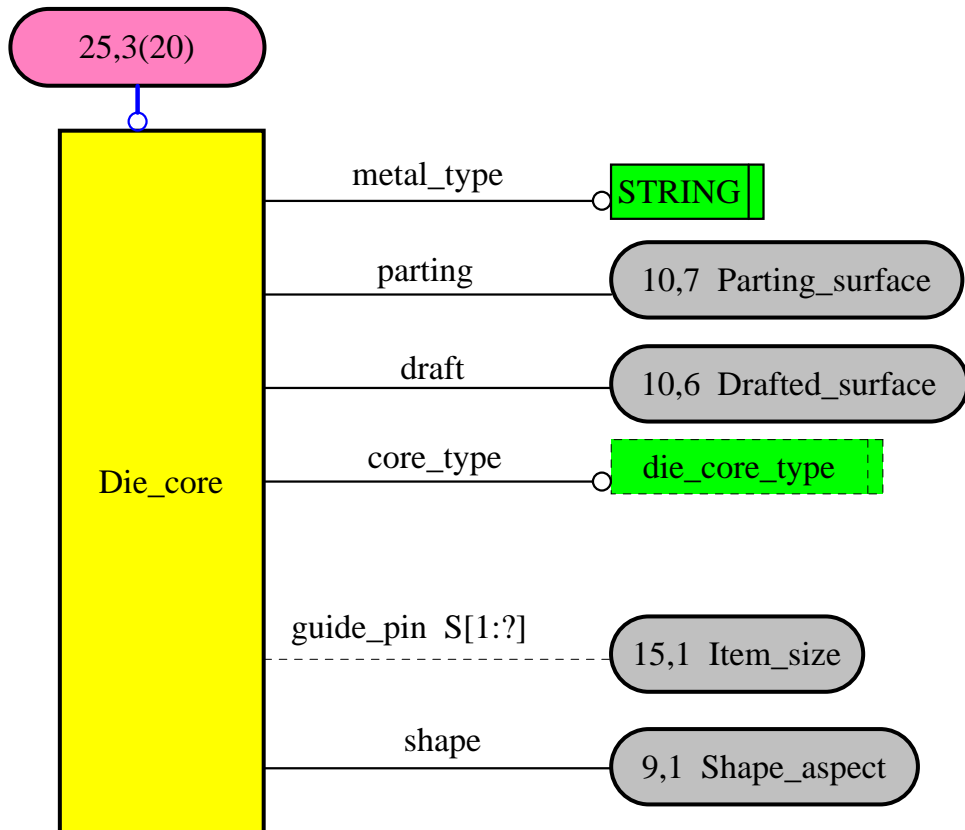
(INV) pattern S[1:]

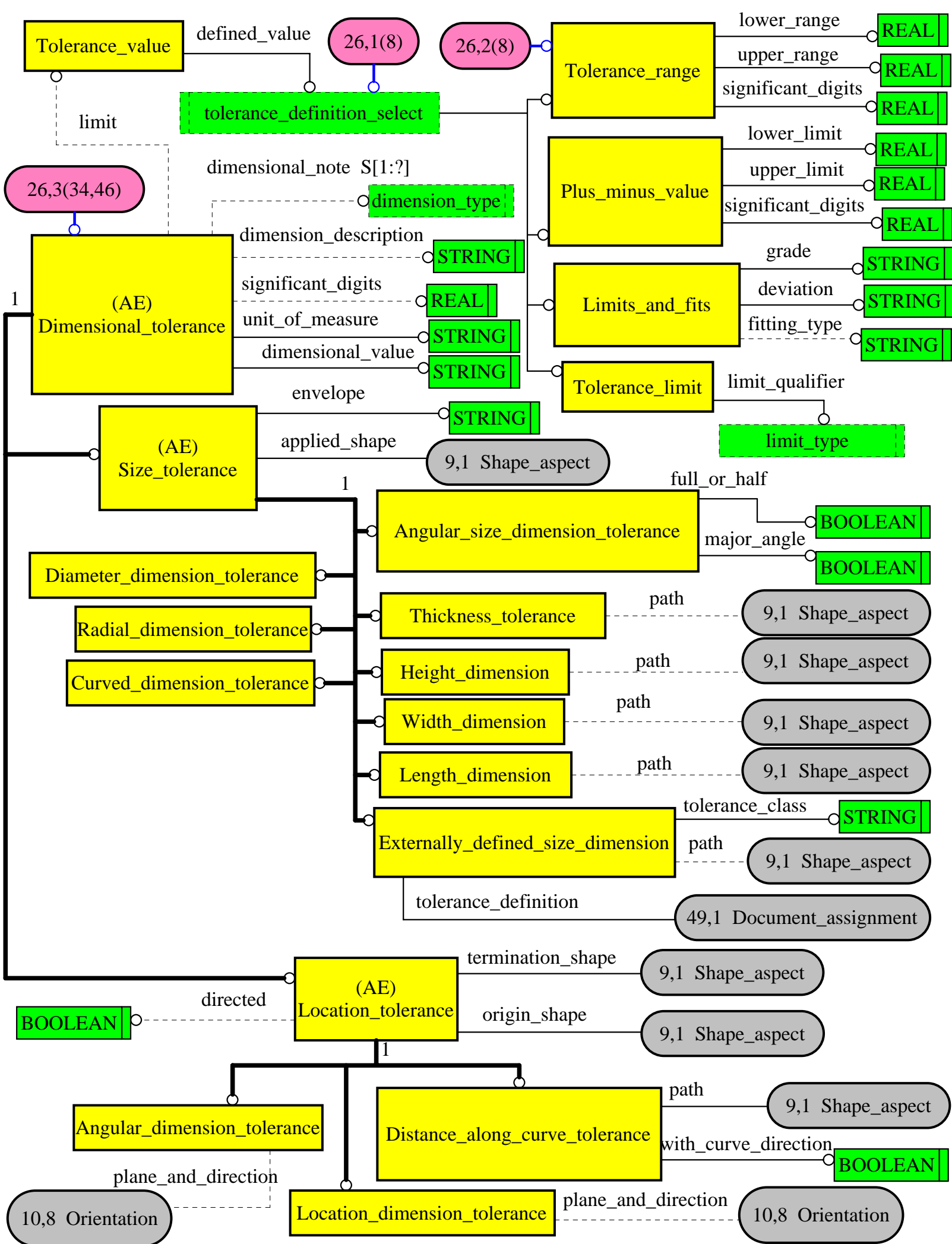
17,5 Production\_pattern\_definition

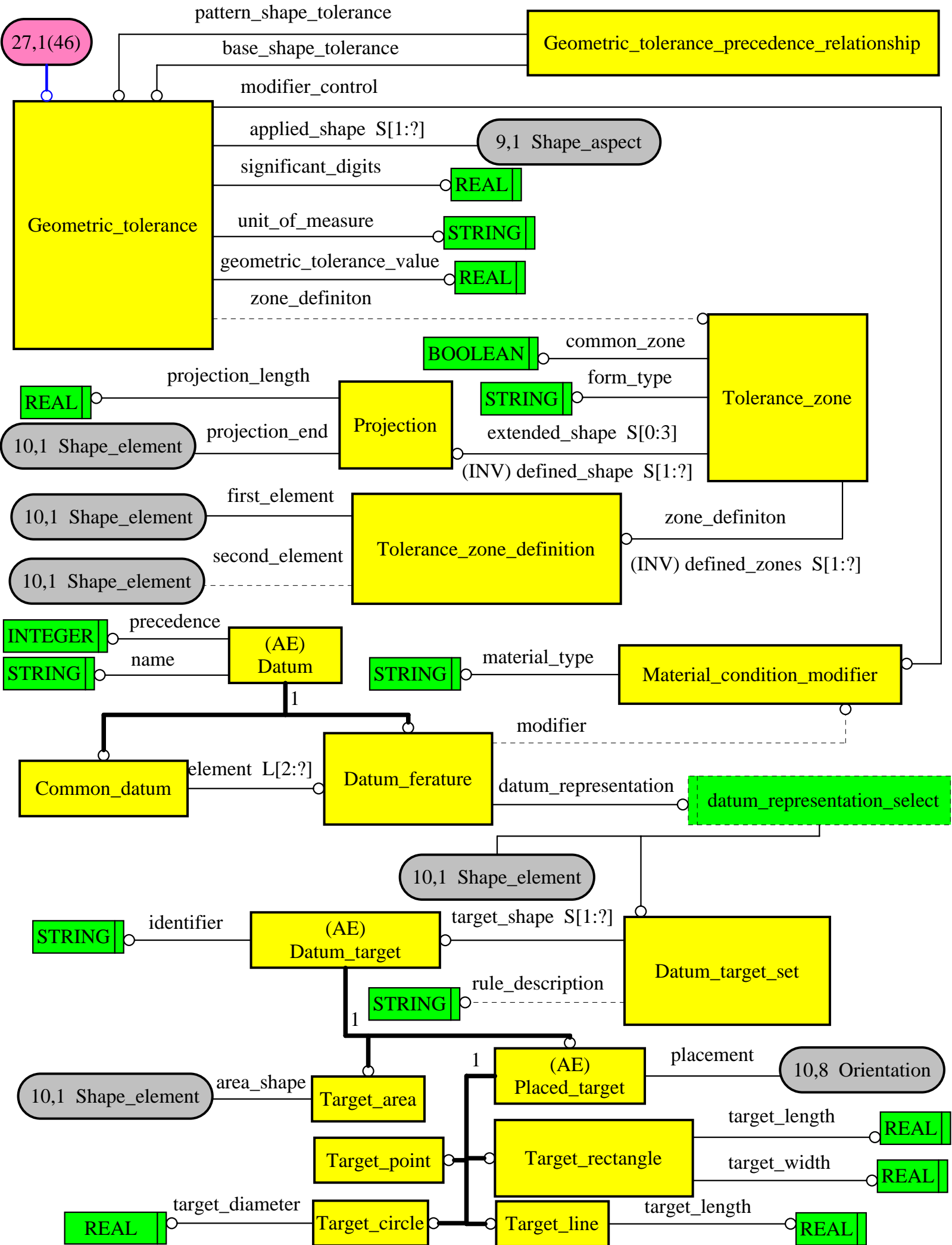
Production\_core\_box

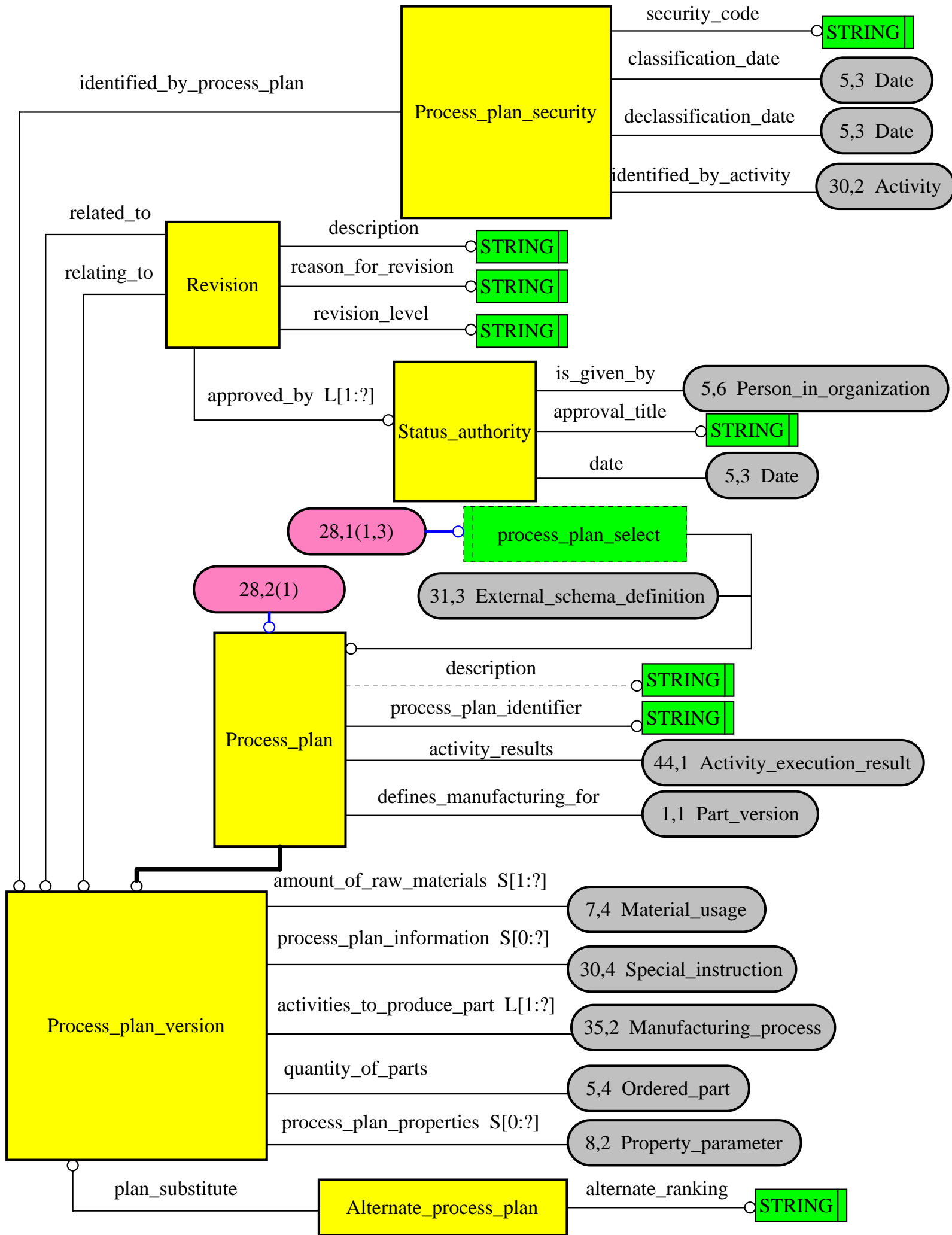
Core\_master



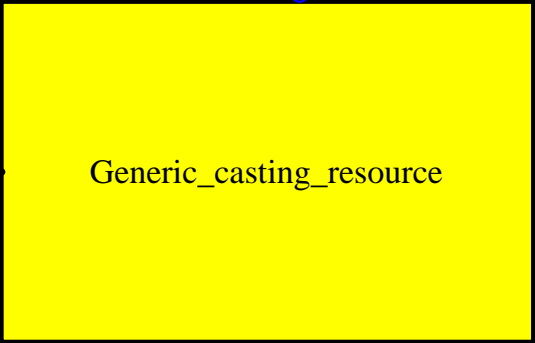








29,1(30)



name

STRING

quantity

INTEGER

description

STRING

units

STRING

(Activity.consumable\_resource)

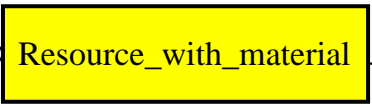
(INV) used\_in

30,2 Activity



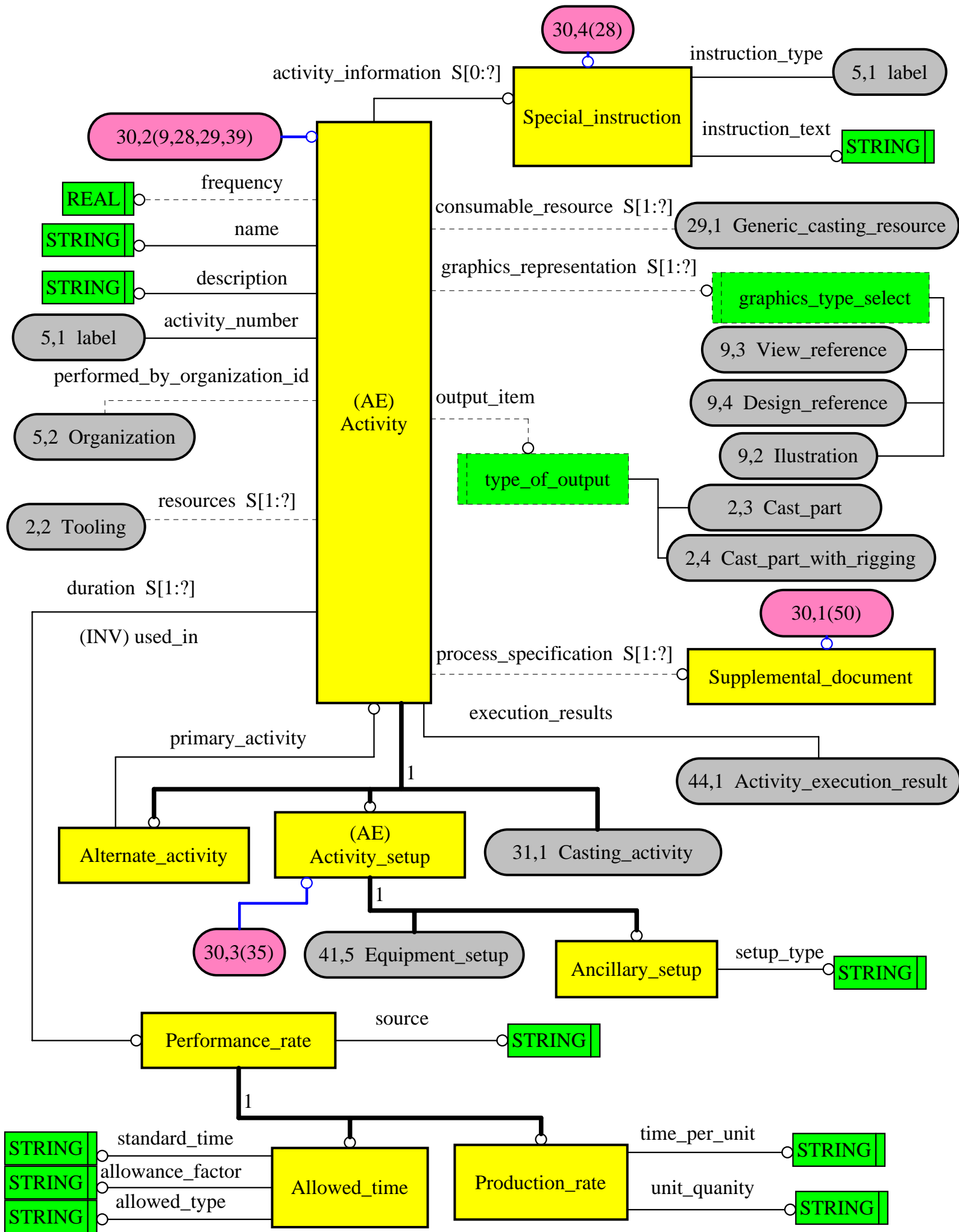
resource\_documentaton

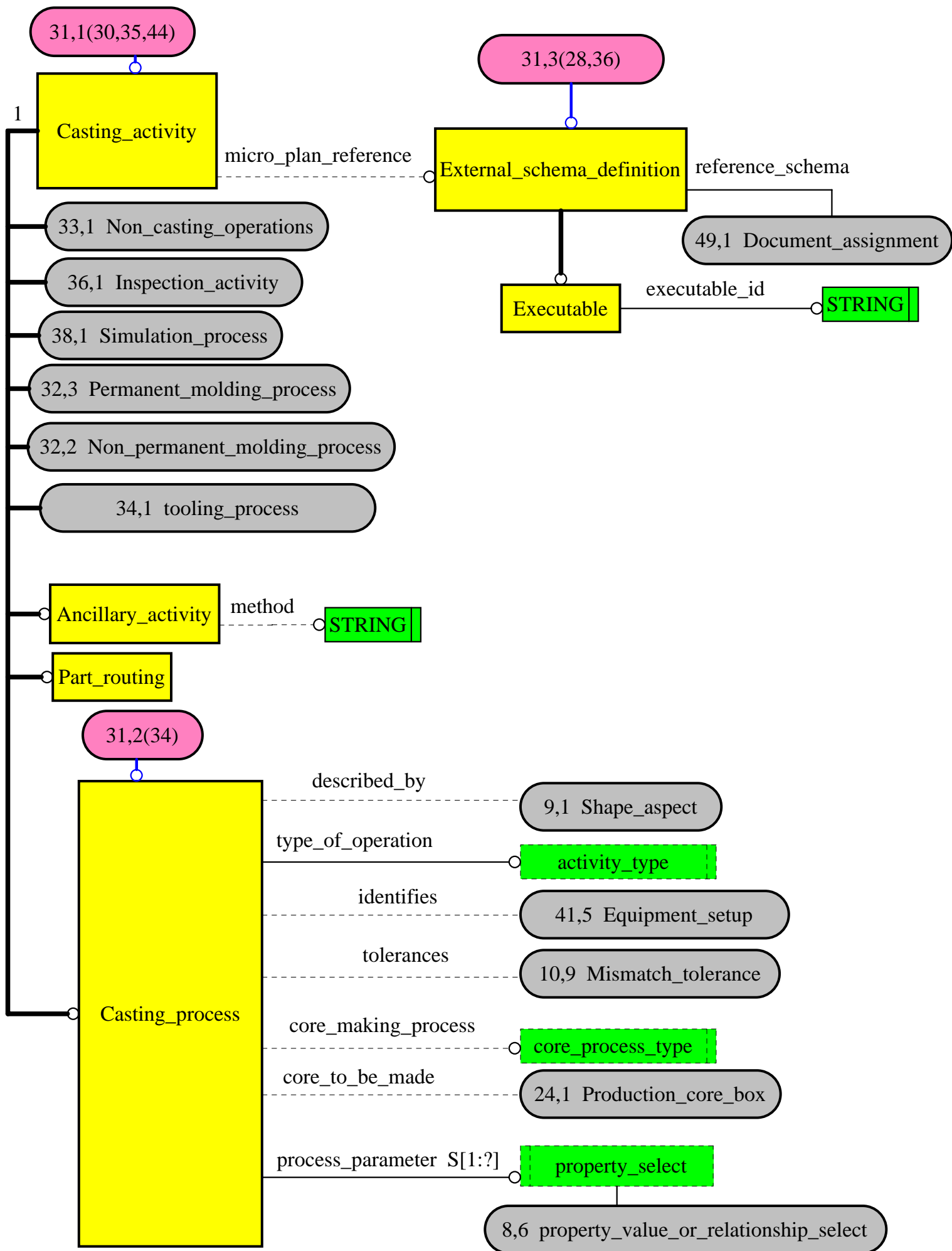
51,1 Externally\_defined\_representation

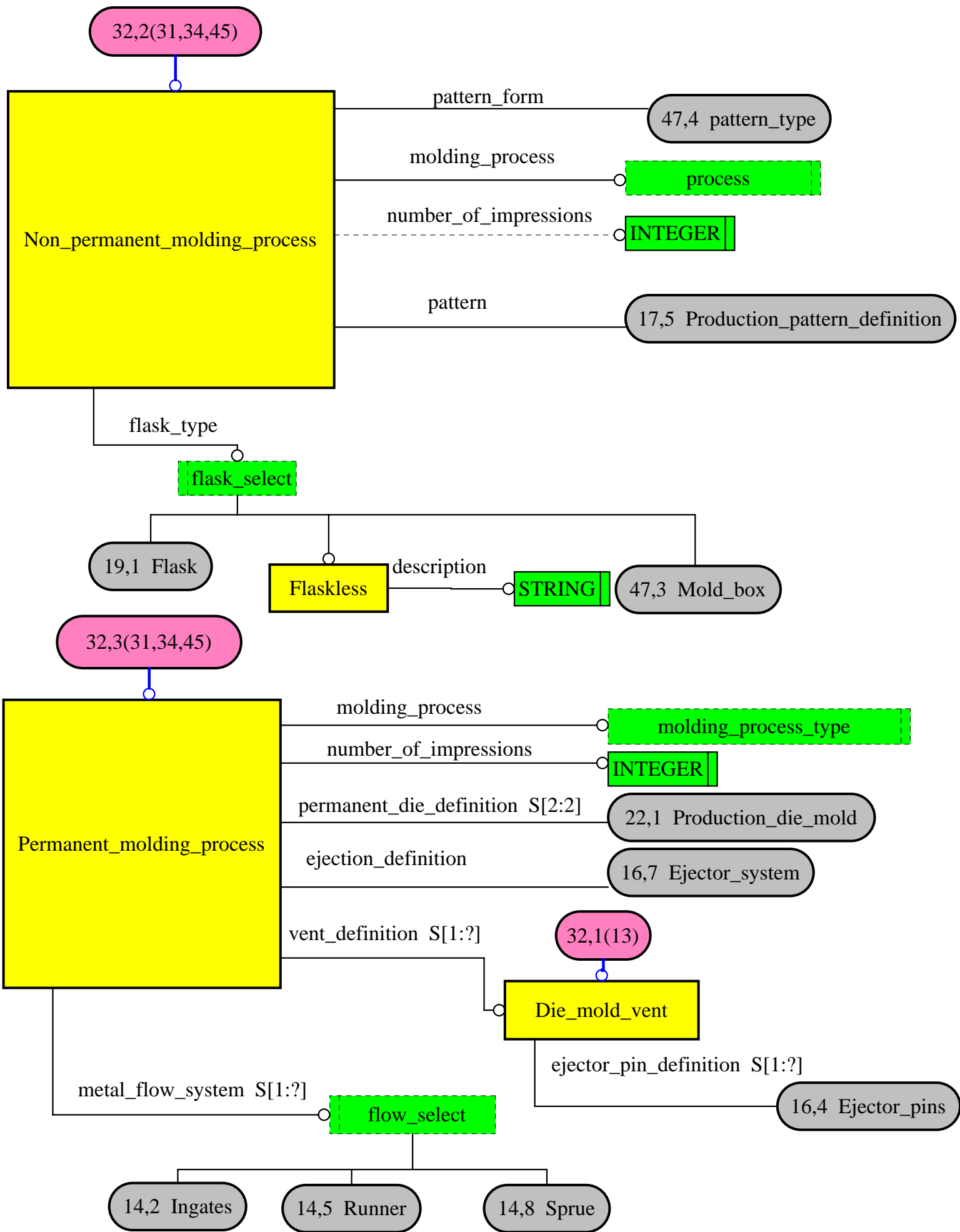


resource\_material

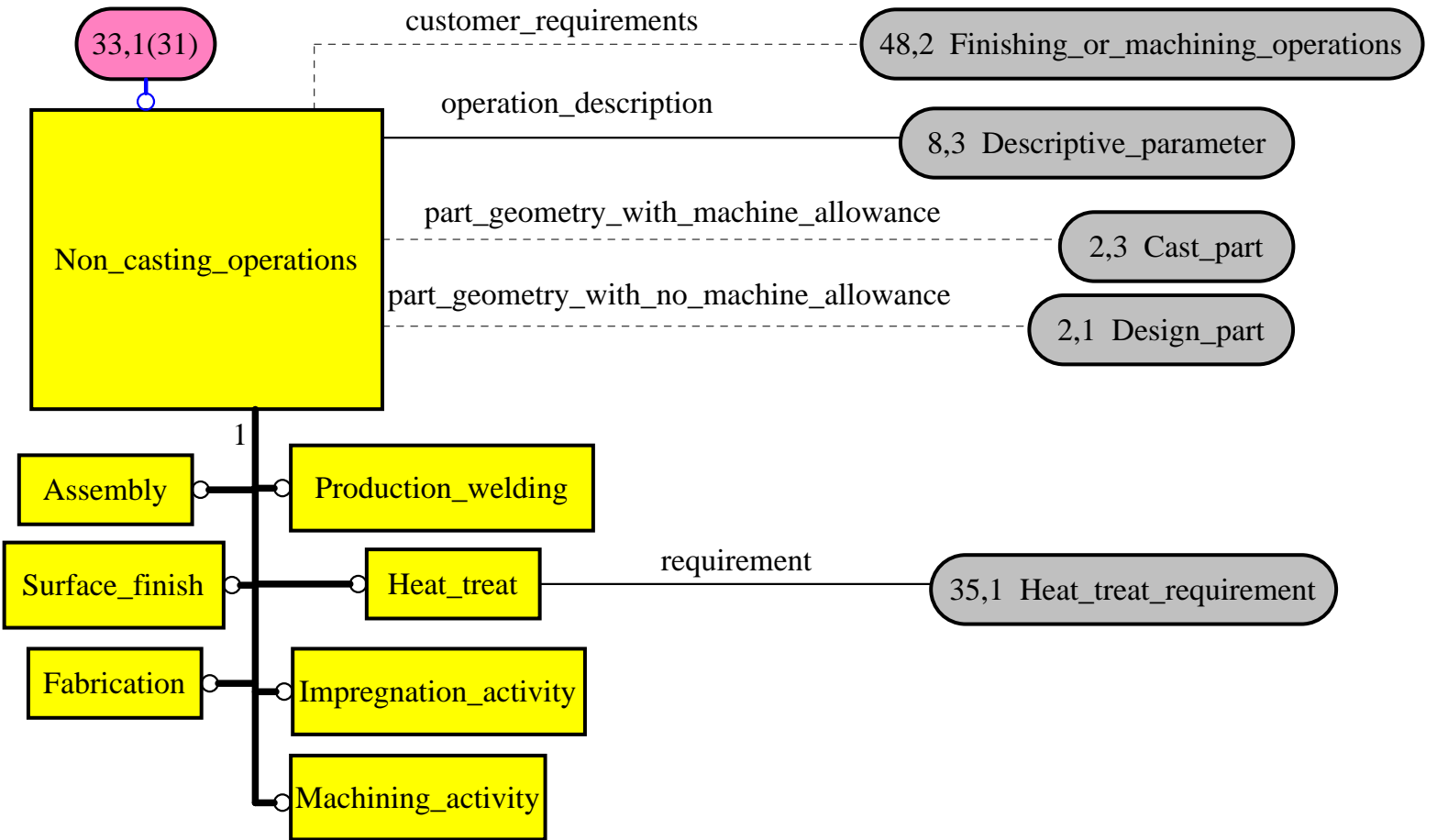
7,2 Material

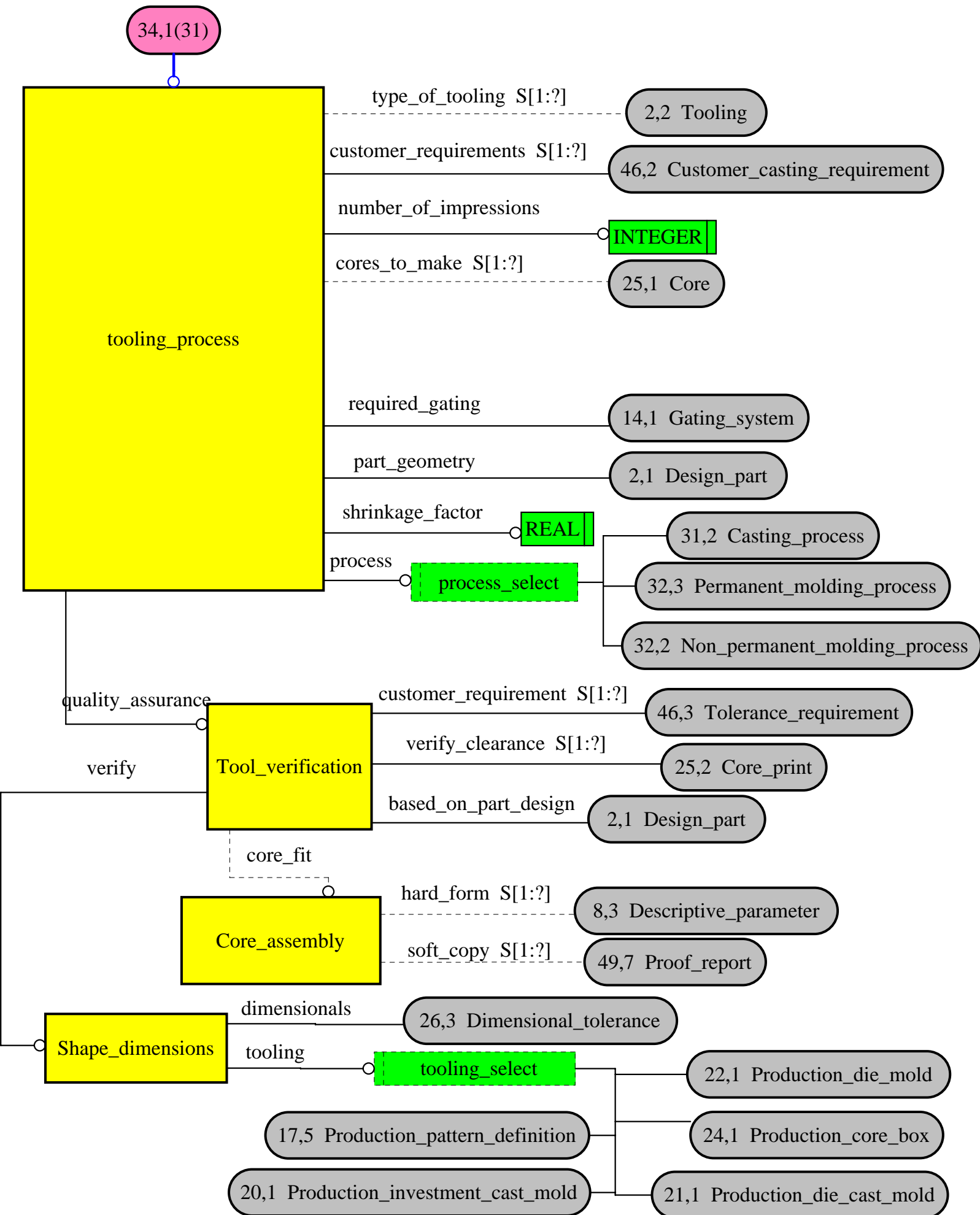


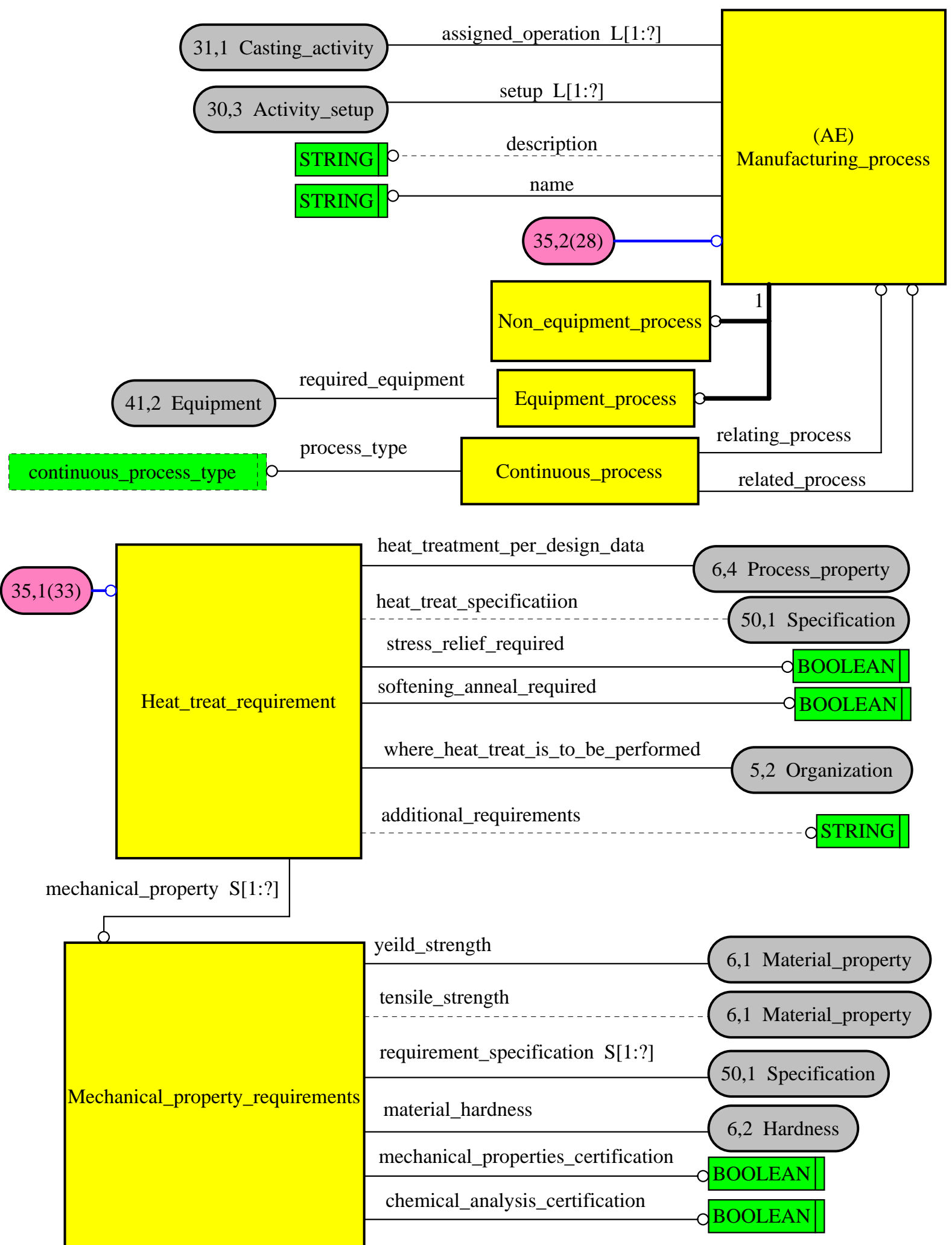


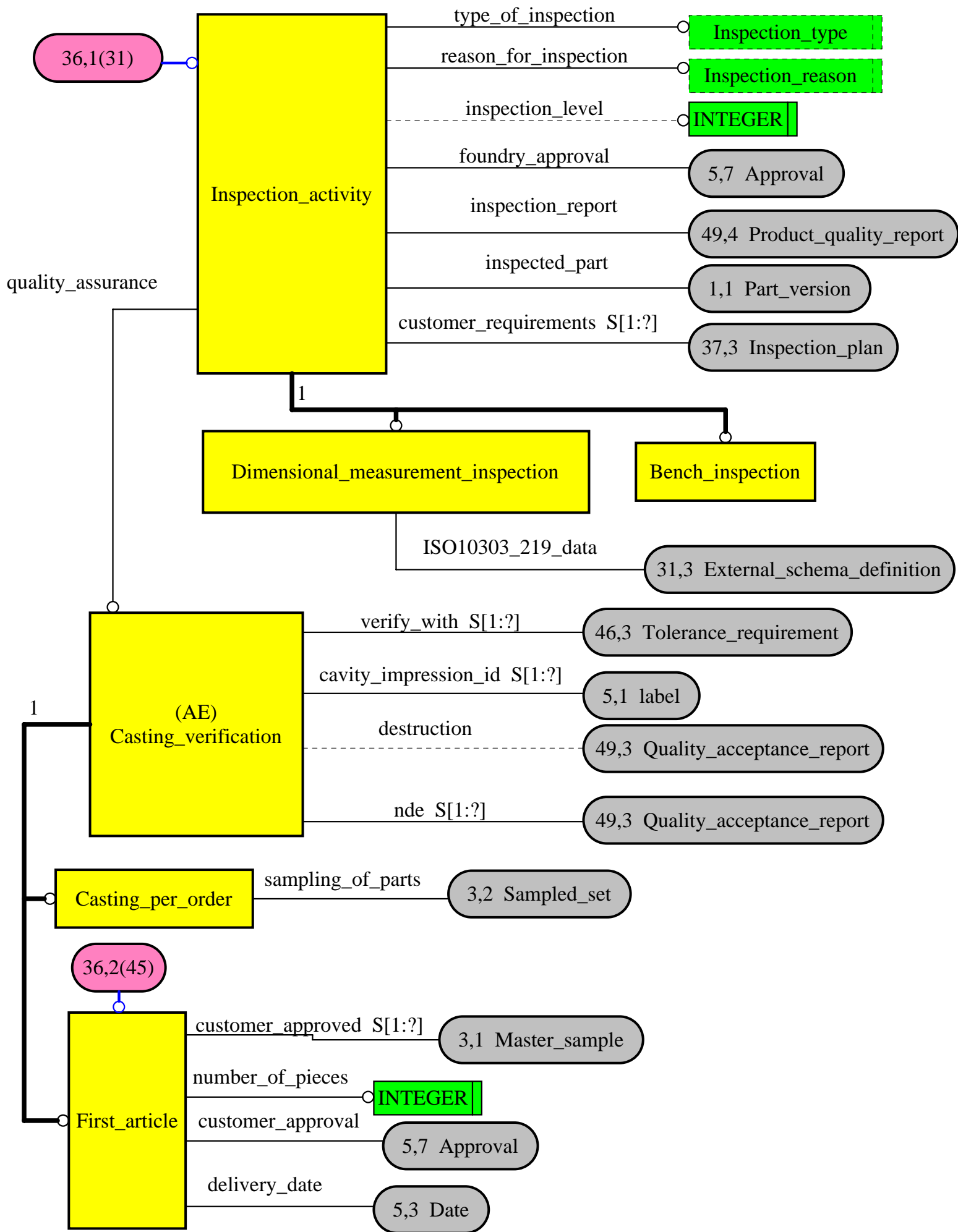


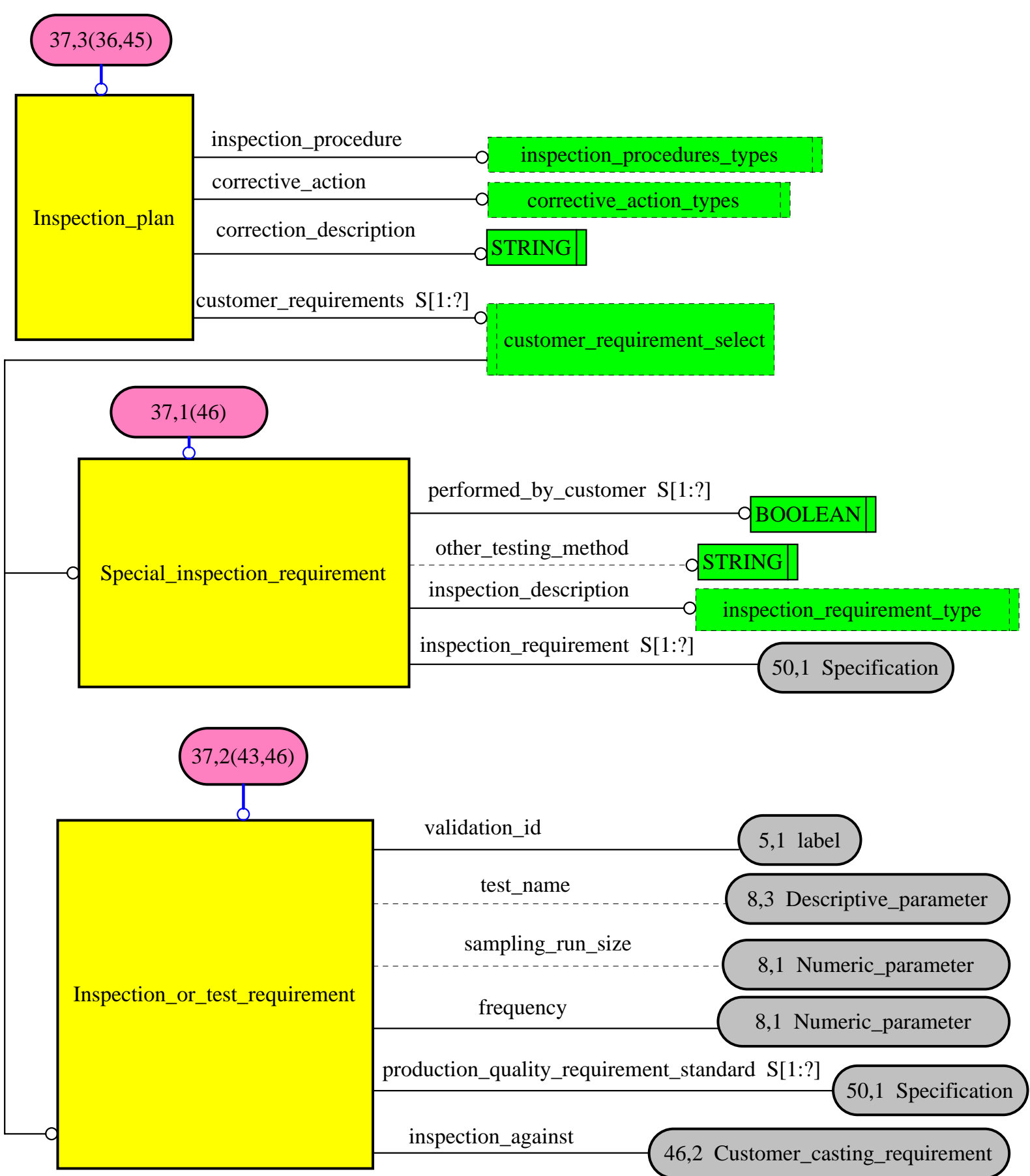




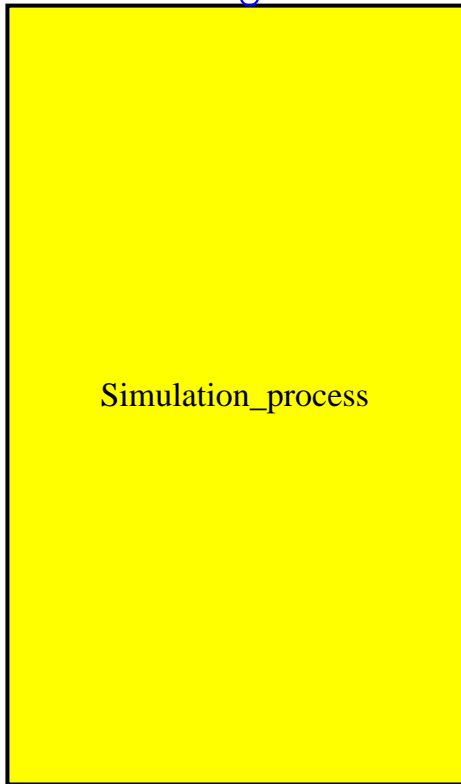








38,1(31)



available\_tooling

47,2 Pattern\_equipment\_available

quality\_requirements S[1:?]

46,2 Customer\_casting\_requirement

run\_simulation

39,1 Simulation\_run

proposed\_gating

14,1 Gating\_system

defect\_results L[1:?]

49,5 Simulation\_exception\_report

suggestion\_for\_changes

49,6 Simulation\_tooling\_report

part\_geomerty

design\_form

2,3 Cast\_part

2,4 Cast\_part\_with\_rigging

9,4 Design\_reference

Customer\_to\_simulation

quality\_requirements S[1:?]

46,2 Customer\_casting\_requirement

run\_simulation

39,1 Simulation\_run

defect\_results L[1:?]

49,8 Customer\_design\_deficiency\_report

suggested\_tool\_design S[1:?]

49,9 Customer\_tool\_design\_report

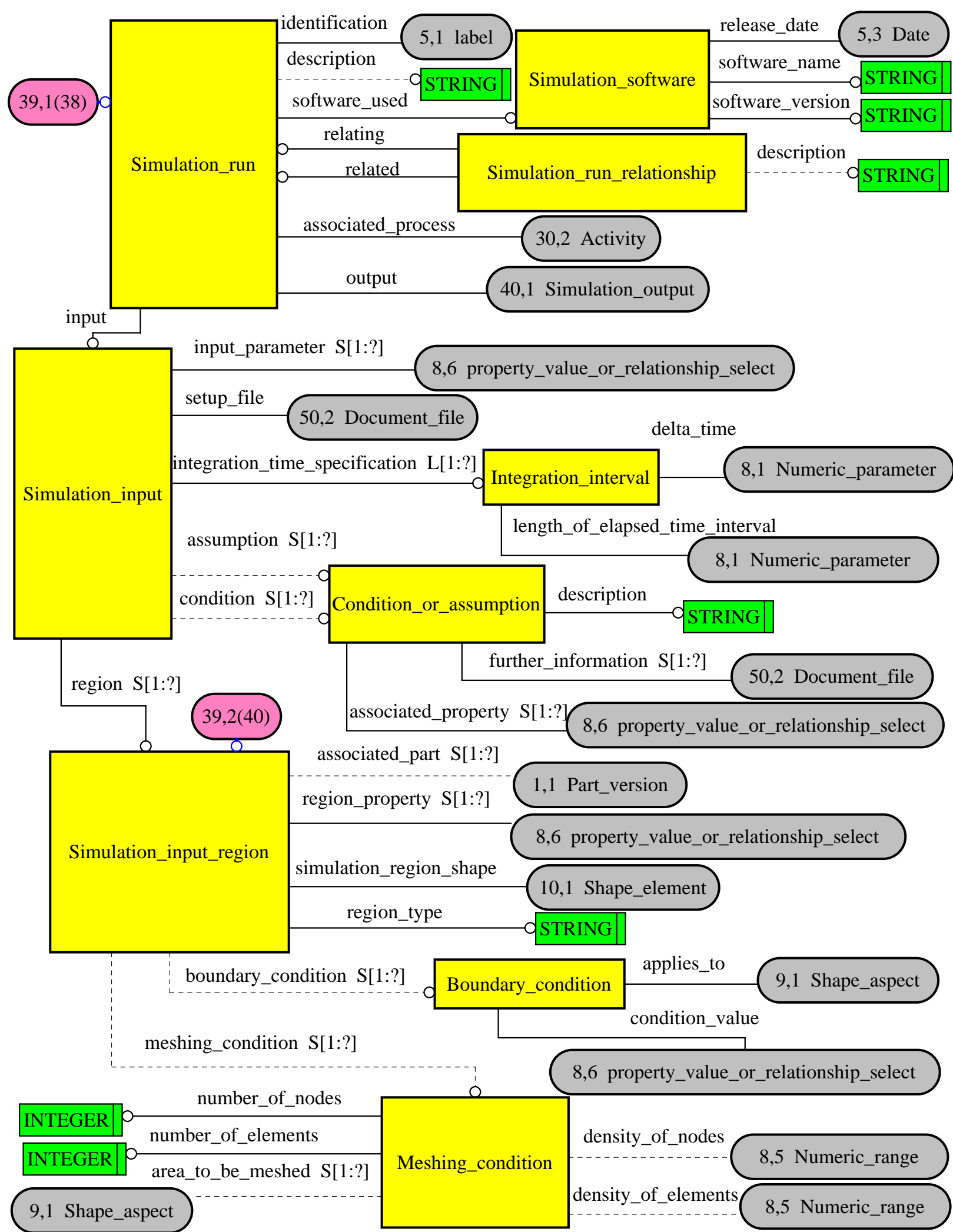
part\_to\_be\_cast

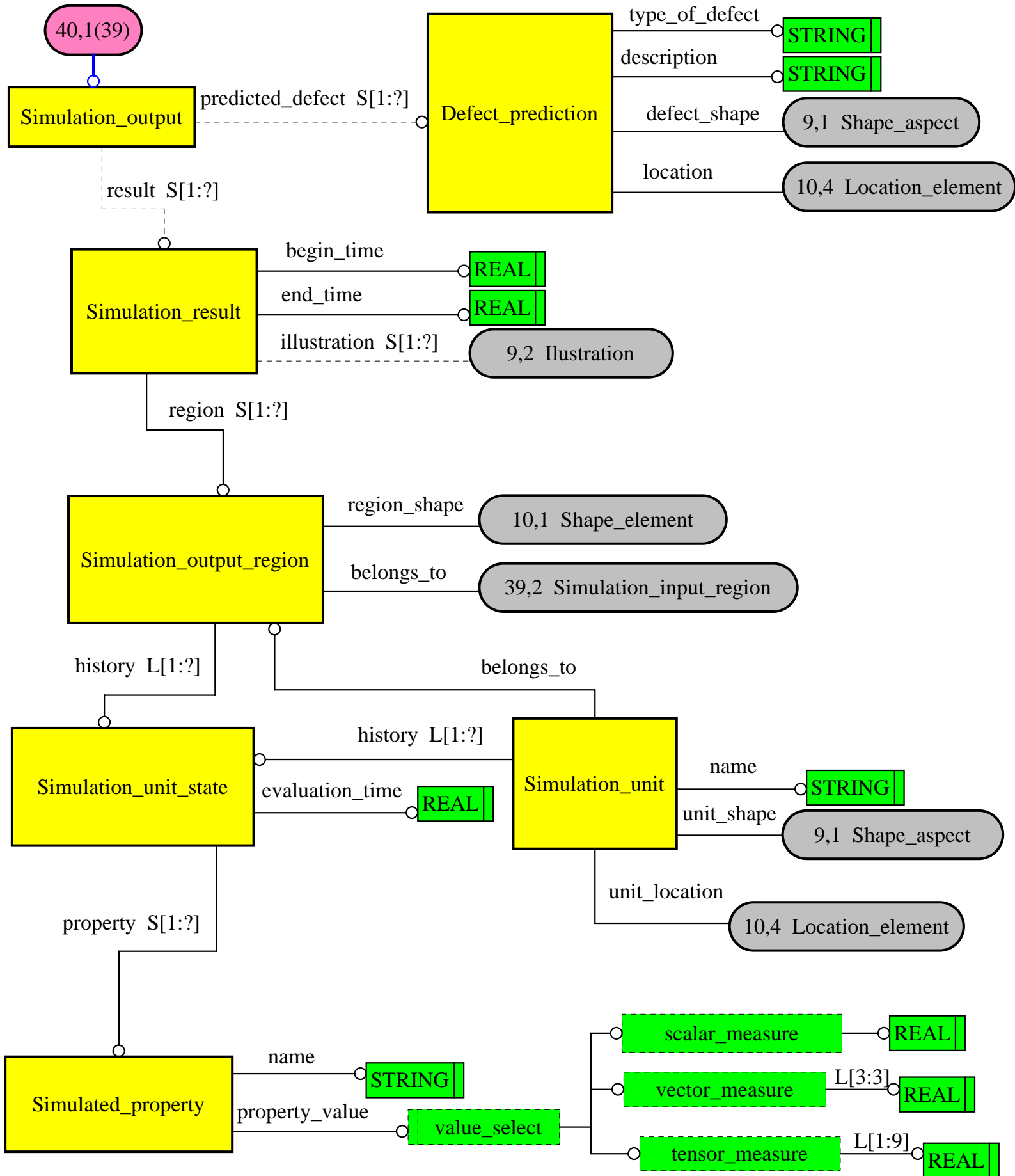
form\_of\_design

2,4 Cast\_part\_with\_rigging

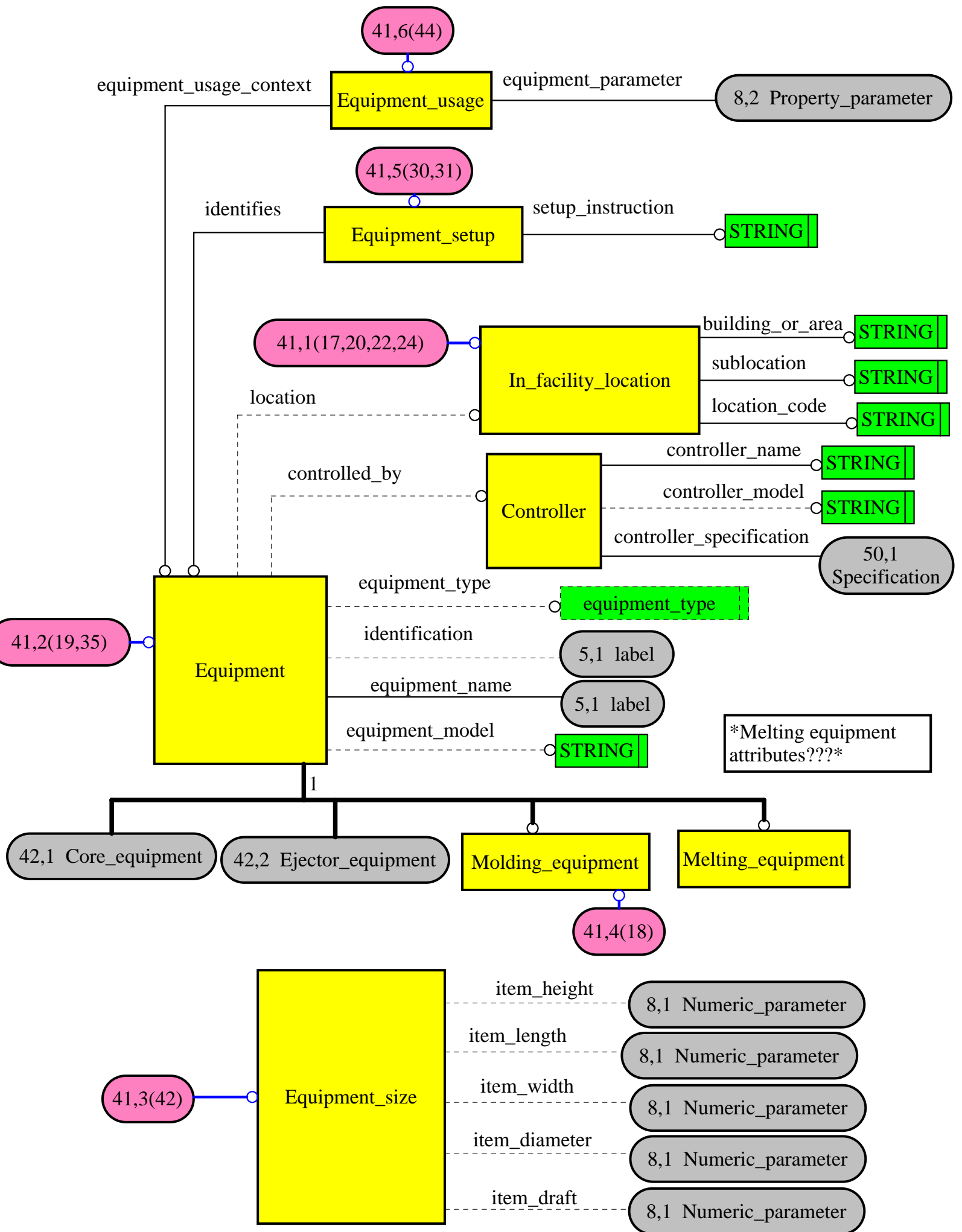
2,1 Design\_part

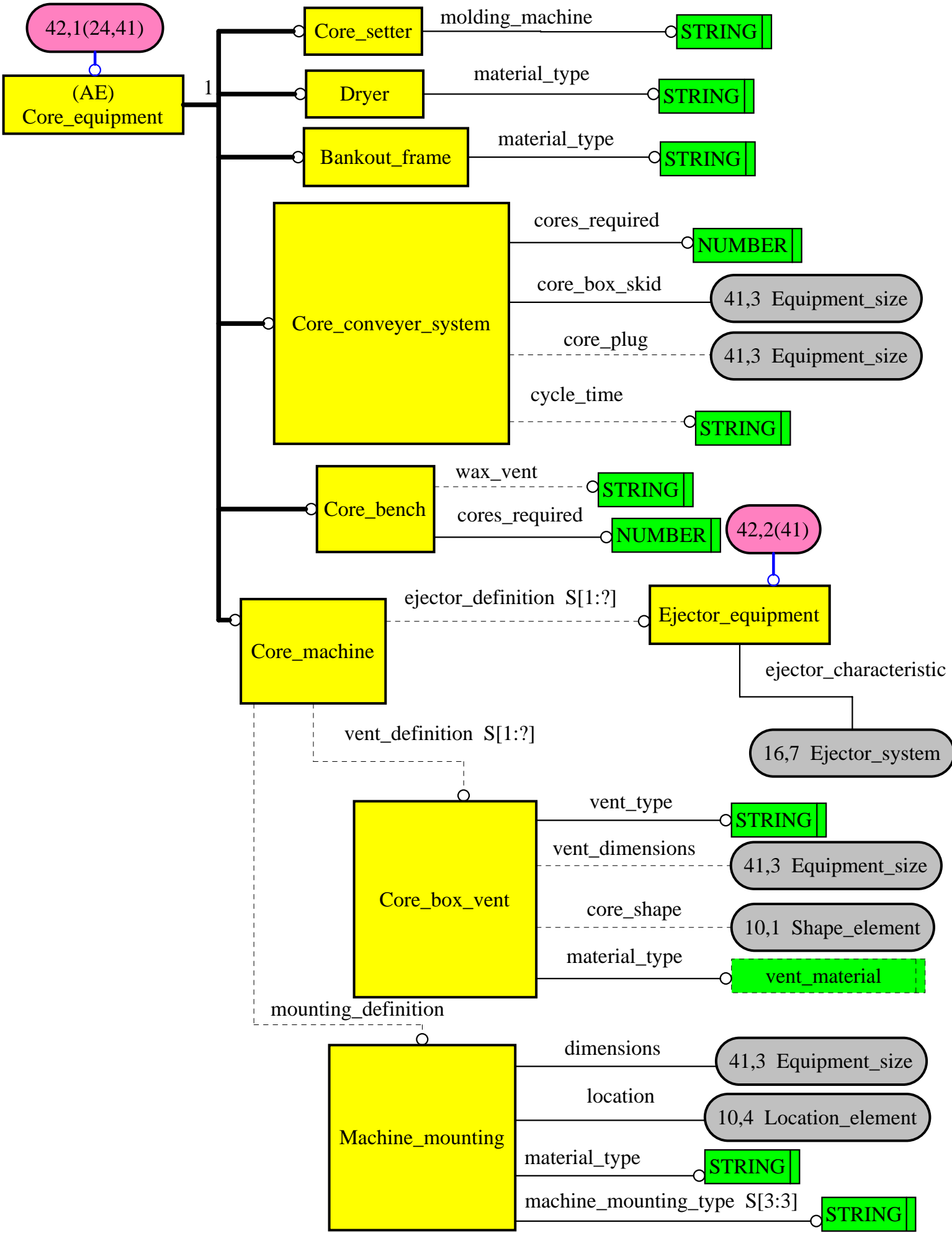
9,4 Design\_reference











43,2(3,49)

