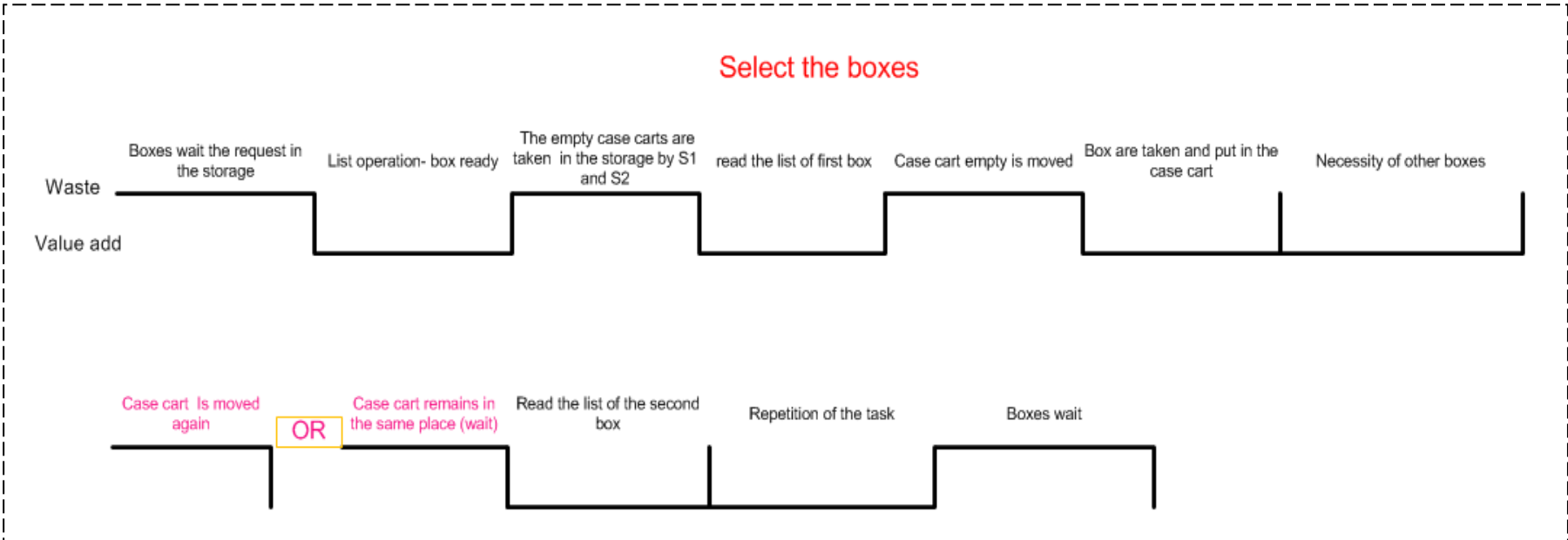


APPENDIX 1



Use the instruments

Nurse opens the boxes and each instrument is put on the table

Surgical operation (medicals uses the instruments)

Instruments are inserted again in the boxes

Boxes moved

Case cart is filled

Movement of the case cart to the area of cleaning

Case cart waits

S4 takes the case cart

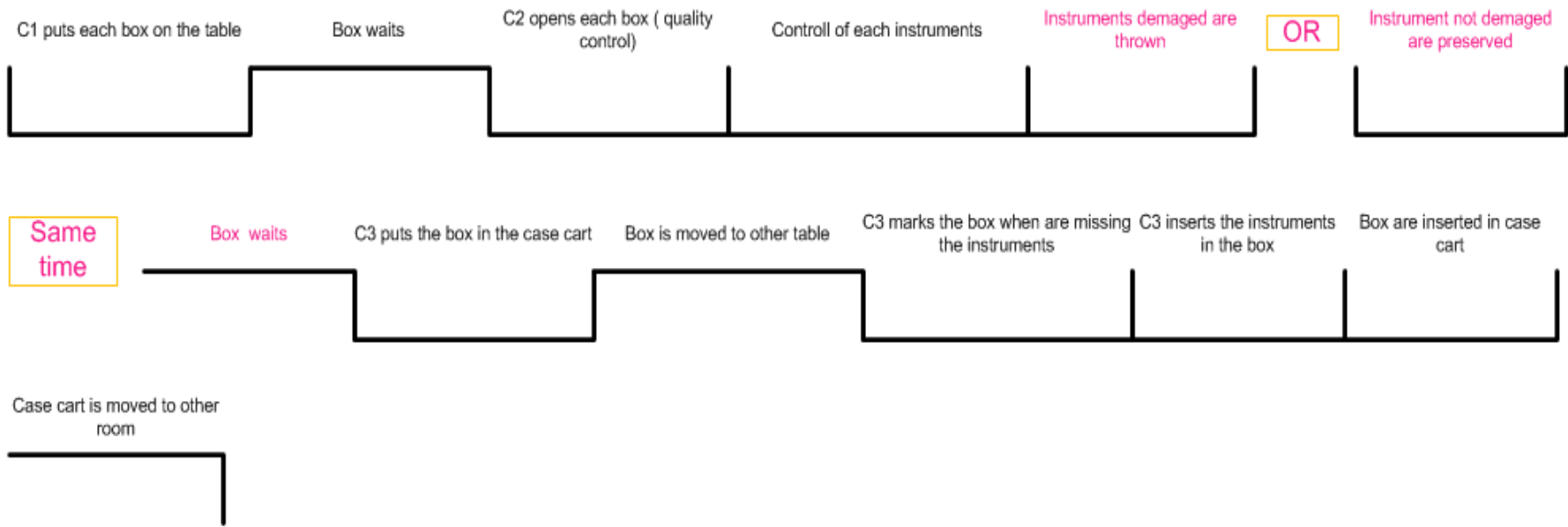
Case cart is moved to the elevator

call elevator

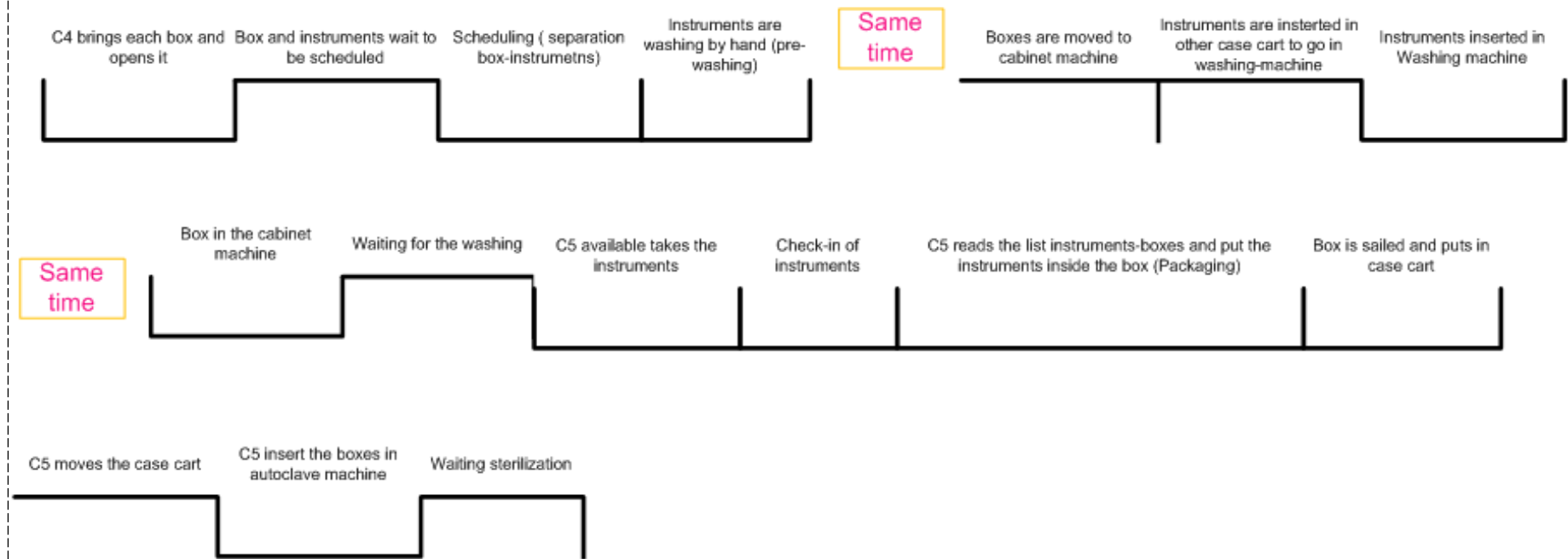
Wait the elevator

Case cart is moved to CSSD

Quality control



Cleaning of instruments



Storage of the instruments

Case cart is moved to Storage place

S1 takes the case cart, he reads the list of position of boxes

Case cart is moved

Box is inserted on the floor

S1 reads the position of other box

He moves the case cart

OR

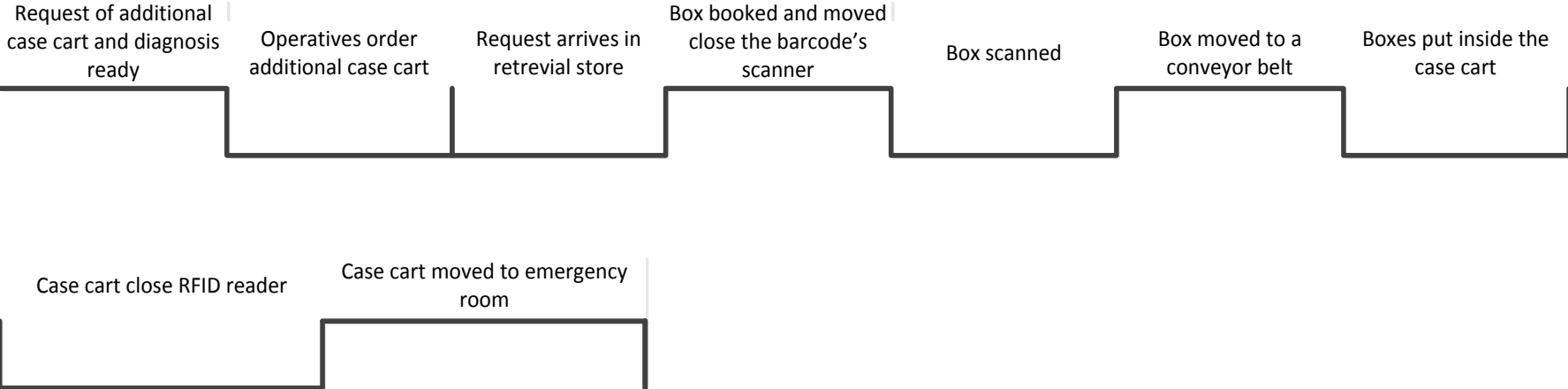
Case cart waits in the same positions

Reposition of all boxes

Boxes wait a new request to be taken out.

APPENDIX 2

Second scenario: request of additional boxes in retrieval store



Emergency room

Case cart in emergency room

Case cart close a RFID reader

Case cart scanned

Case cart moved to operation theatre

Use additional and base boxes: operation theatre

Additional case cart arrives in operation theatre

Additional case cart emptied

Additional and base boxes are scanned

Case carts wait in the corner

Surgical operation

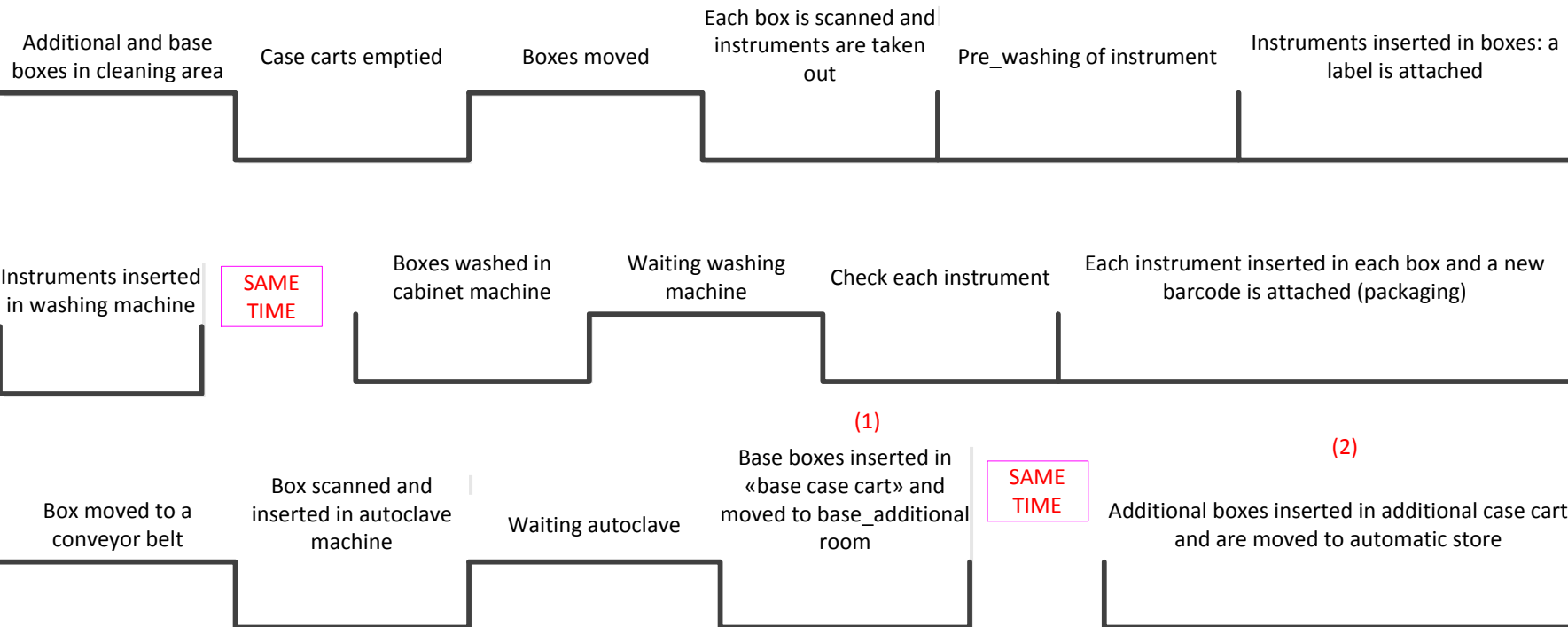
Additional and base single use instruments are thrown and exit from the system

Boxes filled and moved to own case cart

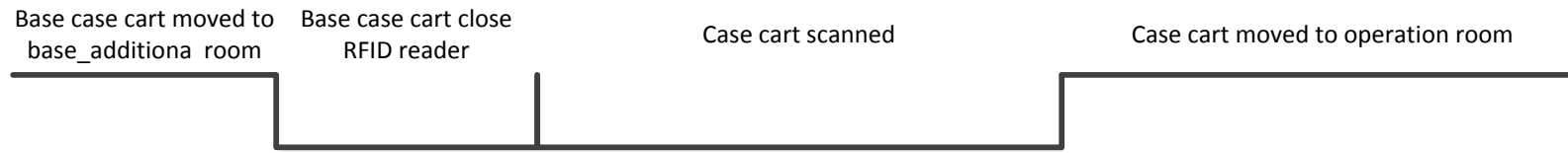
Case carts filled

Case carts moved to the area of cleaning

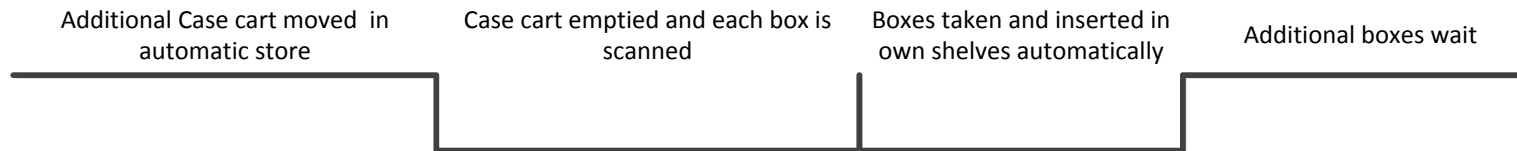
Cleaning area: additional and base case cart



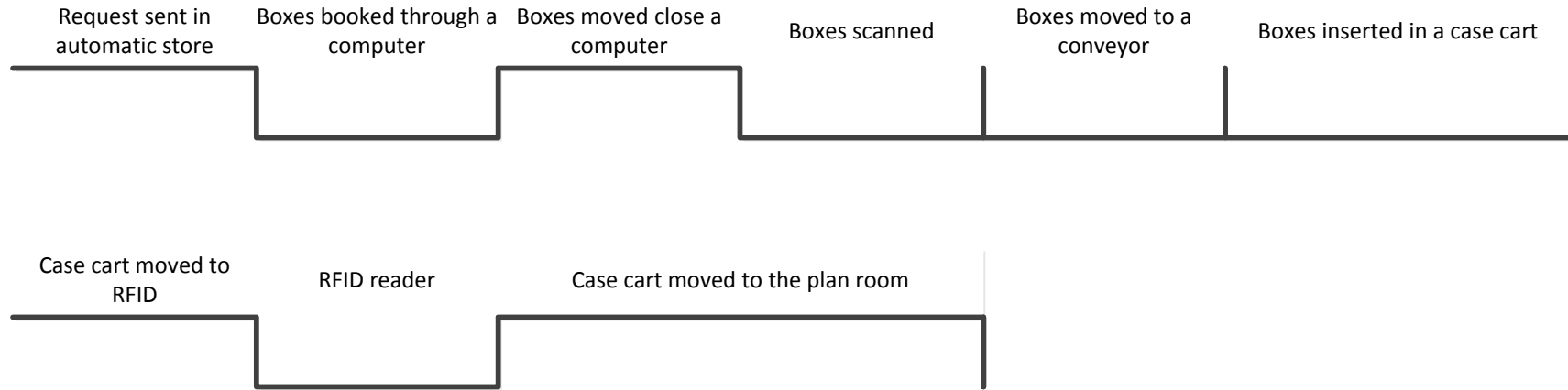
First scenario : request of base case cart:
base_additional room (1)



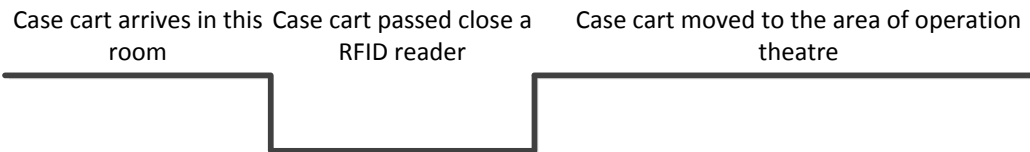
Store of additional boxes (2)



Third scenario: request of plan case cart



Plan room



Use instruments in operation theatre

Case carts arrives in operation theatre

Case cart is emptied

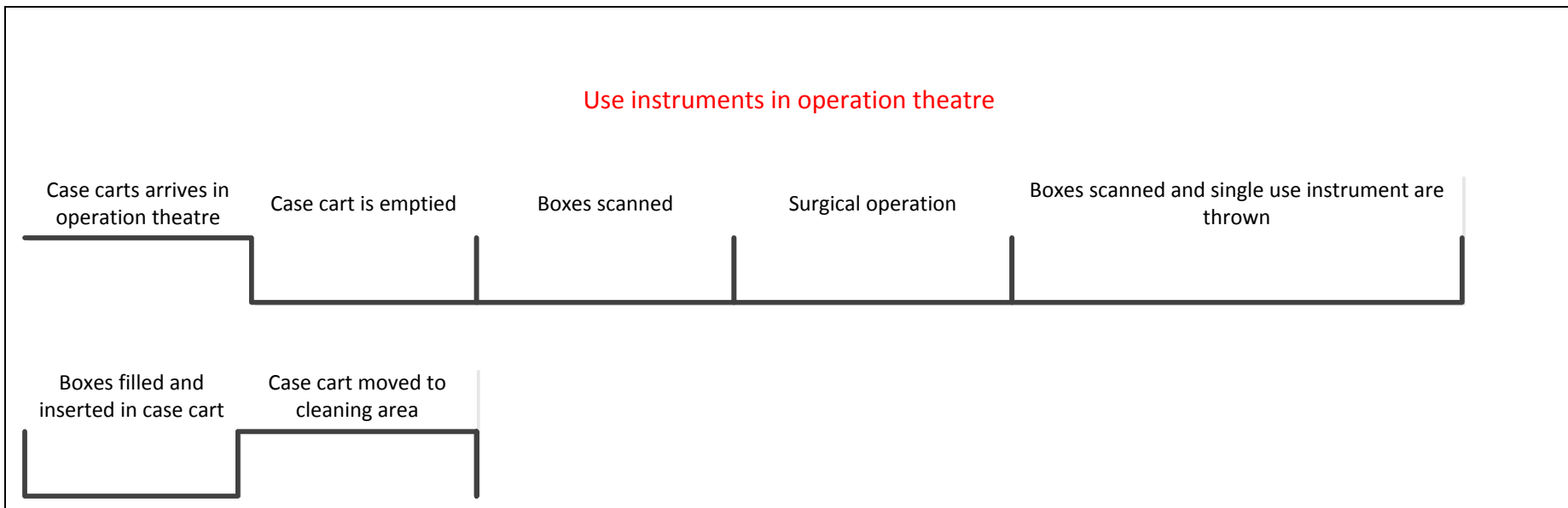
Boxes scanned

Surgical operation

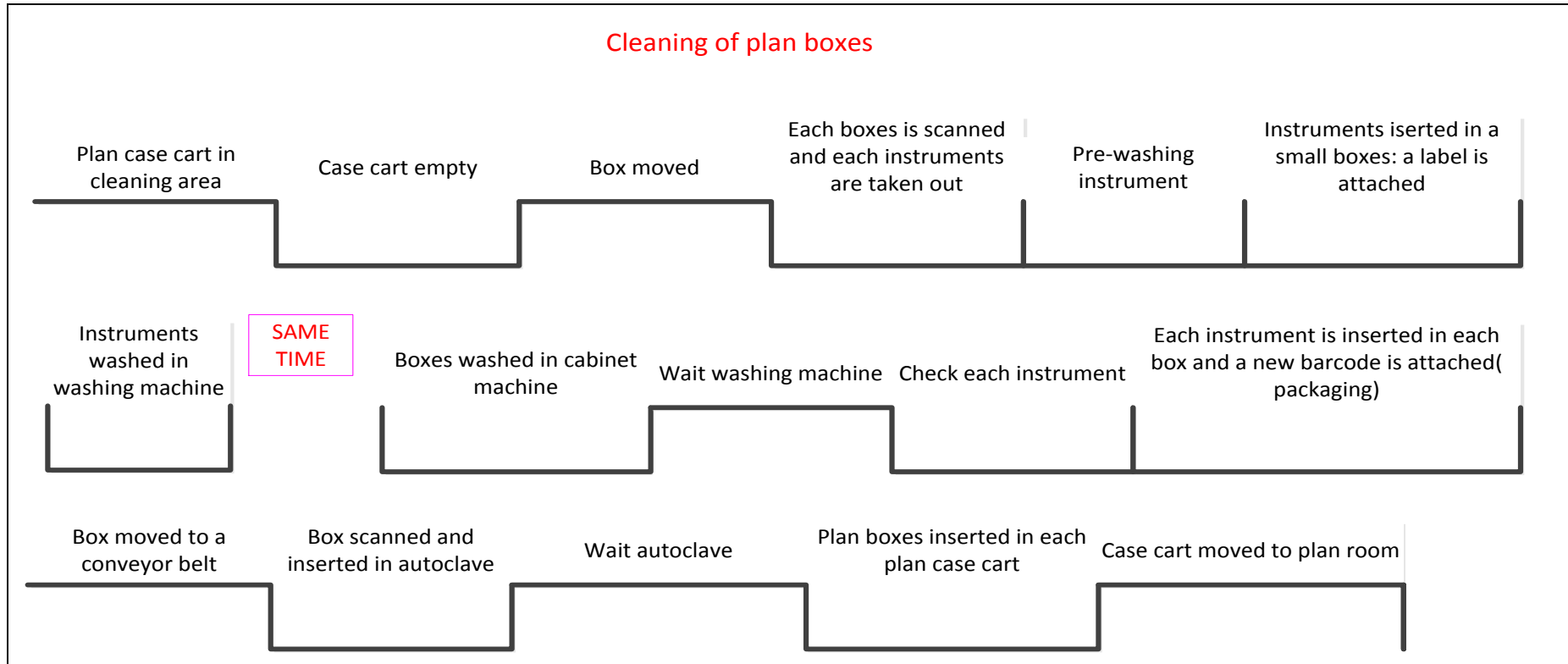
Boxes scanned and single use instrument are thrown

Boxes filled and inserted in case cart

Case cart moved to cleaning area



Cleaning of plan boxes



Store plan boxes in automatic store

