

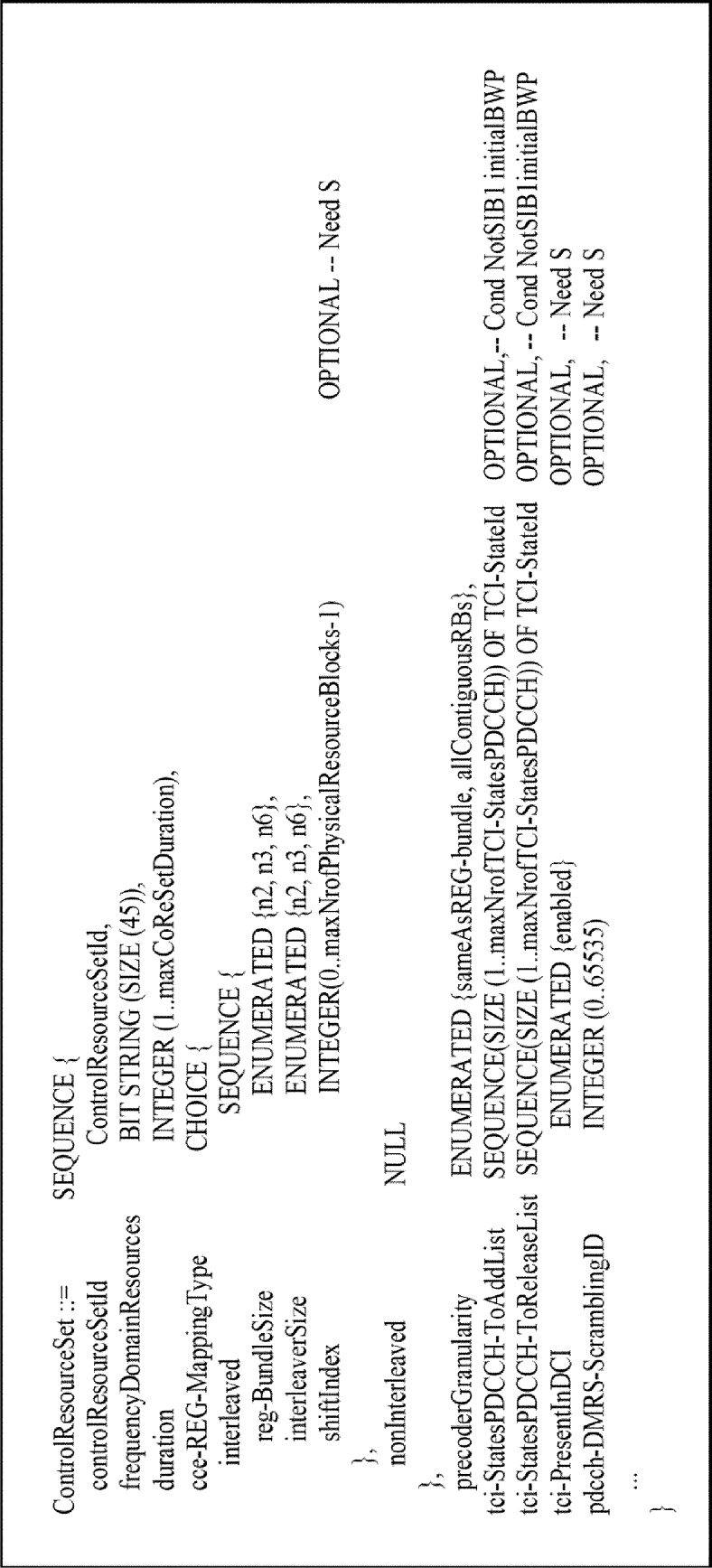


Figure 1: Higher configuration of a CORESET (SoTA [6])

MIB ::=	SEQUENCE {
systemFrameNumber	BIT STRING (SIZE (6)),
subCarrierSpacingCommon	ENUMERATED {scs15or60, scs30or120},
ssb-SubcarrierOffset	INTEGER (0..15),
dmrs-TypeA-Position	ENUMERATED {pos2, pos3},
pdcch-ConfigSIB1	PDCCH-ConfigSIB1,
cellBarred	ENUMERATED {barred, notBarred},
intraFreqReselection	ENUMERATED {allowed, notAllowed},
spare	BIT STRING (SIZE (1))
}	
PDCCH-ConfigSIB1 ::=	SEQUENCE {
controlResourceSetZero	ControlResourceSetZero,
searchSpaceZero	SearchSpaceZero
}	

Figure 3: The MIB provided to the UE via the RRC (SoA [6])

```
TCI-State ::=
  tci-StateId
  qcl-Type1
  qcl-Type2
  ...
}

QCL-Info ::=
  cell
  bwp-Id
  referenceSignal
    csi-rs
    ssb
  },
  qcl-Type
  ...
}

SEQUENCE {
  TCI-StateId,
  QCL-Info,
  QCL-Info
  OPTIONAL, -- Need R
}

SEQUENCE {
  ServCellIndex
  BWP-Id
  CHOICE {
    NZP-CSI-RS-ResourceId,
    SSB-Index
  }
  ENUMERATED (typeA, typeB, typeC, typeD),
}
```

Figure 4: RRC configuration of the TCI-state information element (SoTA [6])

SearchSpace ::=	SEQUENCE {		
searchSpaceId	SearchSpaceId,		
searchSpaceSetPoolIndex	SearchSpaceSetPoolIndex		
controlResourceSetId	ControlResourceSetId	OPTIONAL,	-- Cond SetupOnly
monitoringSlotPeriodicityAndOffset	CHOICE {	OPTIONAL,	-- Cond SetupOnly
...			
}			
duration	INTEGER (2..2559)	OPTIONAL,	-- Cond Setup
monitoringSymbolsWithinSlot	BIT STRING (SIZE (14))	OPTIONAL,	-- Need R
nrofCandidates	SEQUENCE {	OPTIONAL,	-- Cond Setup
aggregationLevel1	ENUMERATED {n0, n1, n2, n3, n4, n5, n6, n8},		
aggregationLevel2	ENUMERATED {n0, n1, n2, n3, n4, n5, n6, n8},		
aggregationLevel4	ENUMERATED {n0, n1, n2, n3, n4, n5, n6, n8},		
aggregationLevel8	ENUMERATED {n0, n1, n2, n3, n4, n5, n6, n8},		
aggregationLevel16	ENUMERATED {n0, n1, n2, n3, n4, n5, n6, n8}		
}		OPTIONAL,	-- Cond Setup
searchSpaceType	CHOICE {		
common	SEQUENCE {		
... DCI formats and related parameters ...			
},			
ue-Specific	SEQUENCE {		
dci-Formats	ENUMERATED {formats0-0-And-1-0, formats0-1-And-1-1},		
...			
}			
}		OPTIONAL	--Cond Setup
}			

Figure 5: New higher layer configuration of a SS set comprising a SS pool index

```
SearchSpaceSetPool ::=
  searchSpaceSetPoolId
  searchSpaceSetList
  SEQUENCE {
    SearchSpaceSetPoolId,
    SEQUENCE (SIZE (1.. maxNrofSearchSpaces)) OF SearchSpaceId
  }
  OPTIONAL -- Cond Setup
  OPTIONAL -- Cond Setup
```

Figure 6: New higher layer configuration of a SS set pool informationelement comprising a list of SS set IDs

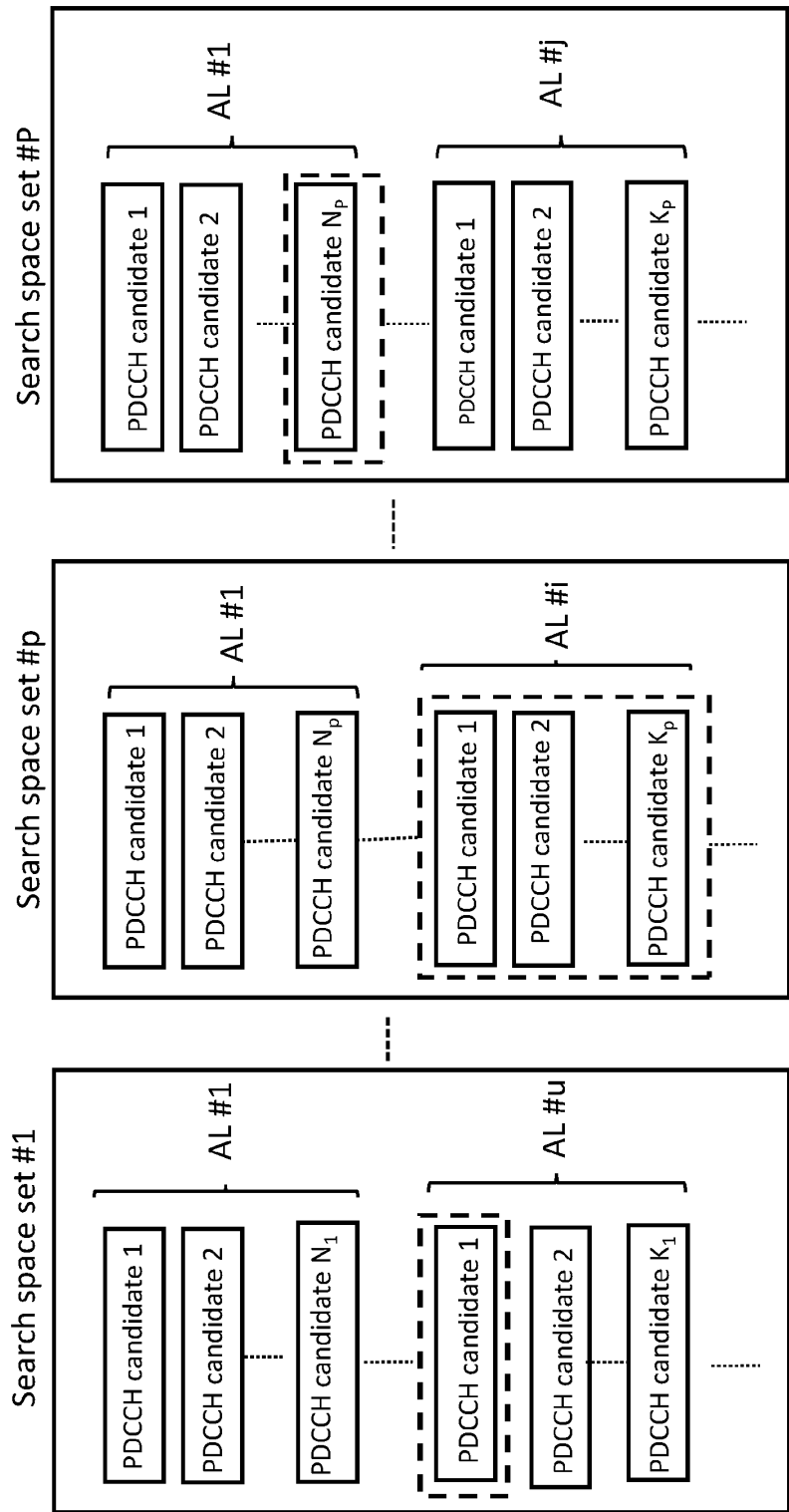


Figure 7: Associates of multiple PDCCH candidates from different SS sets in a SS set pool associated with the same DCI content

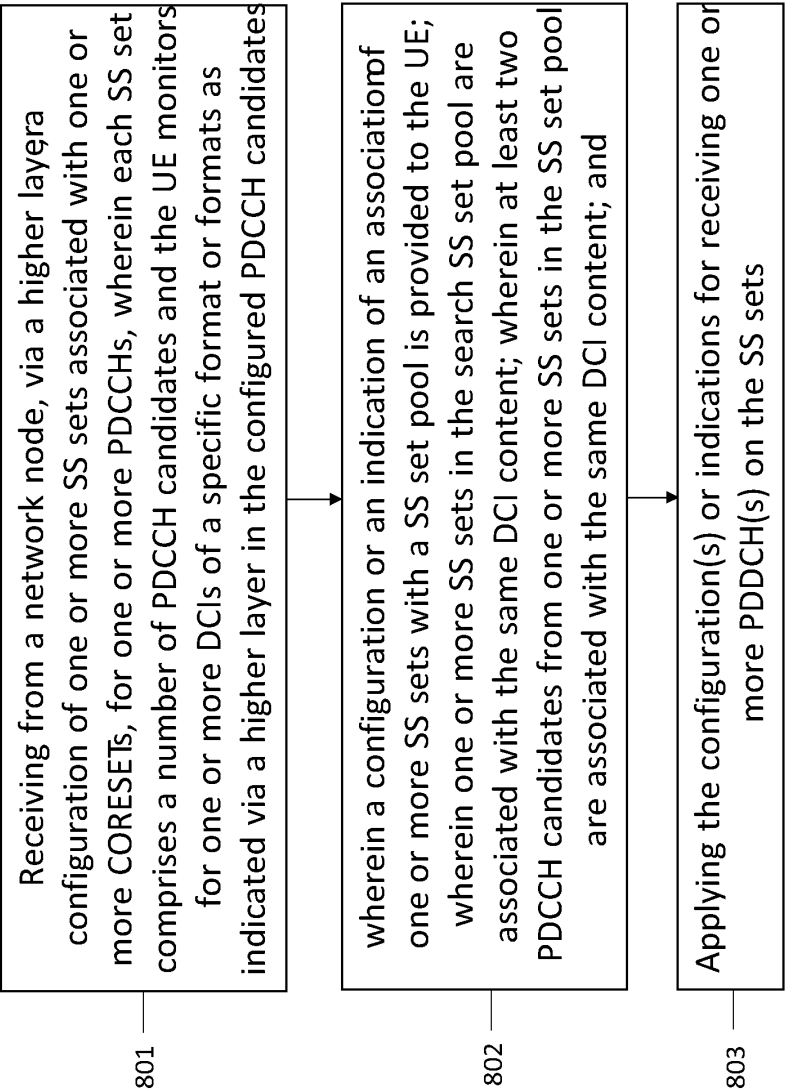


Figure 8

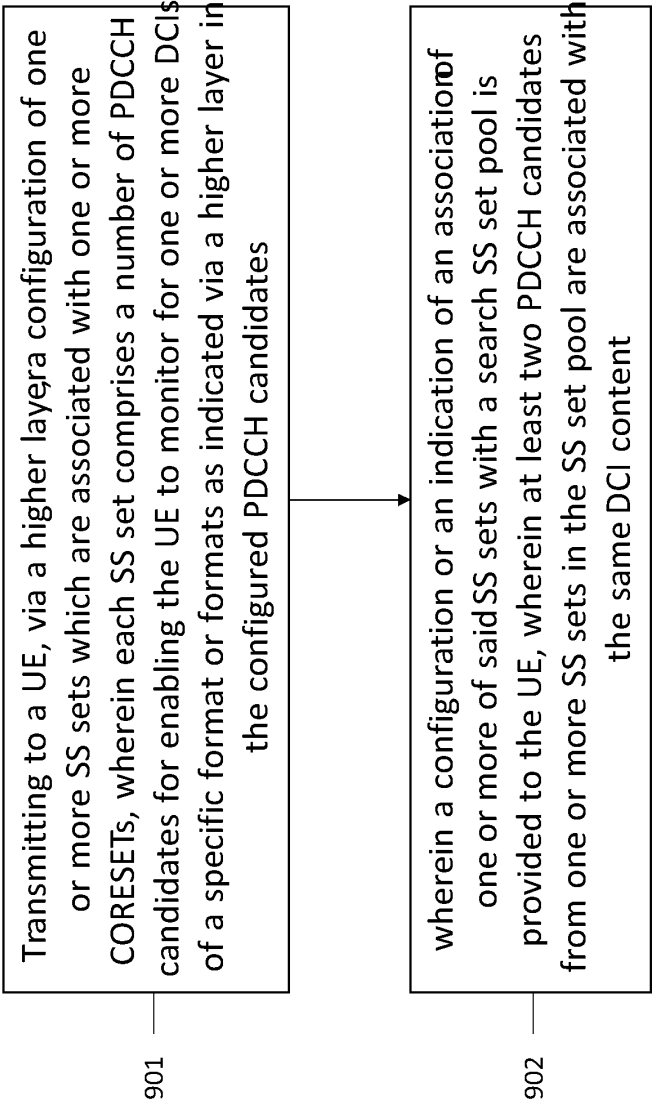


Figure 9

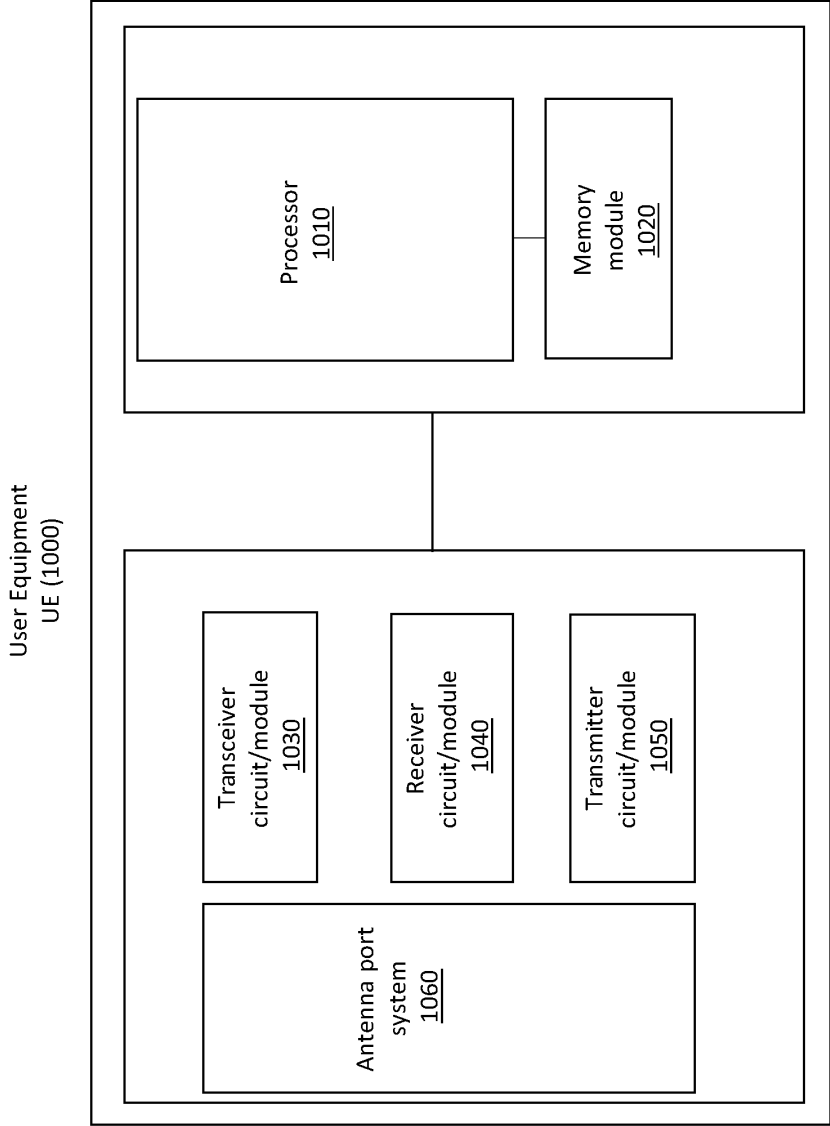


Figure 10

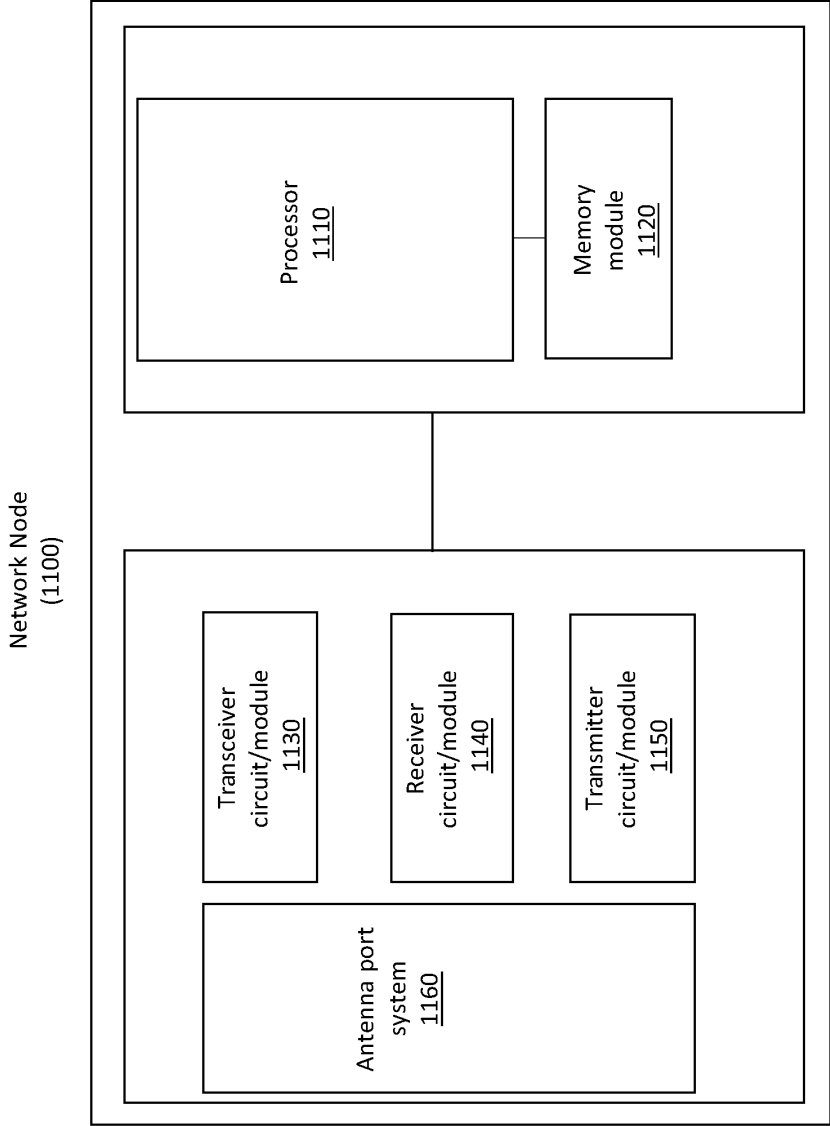


Figure 11