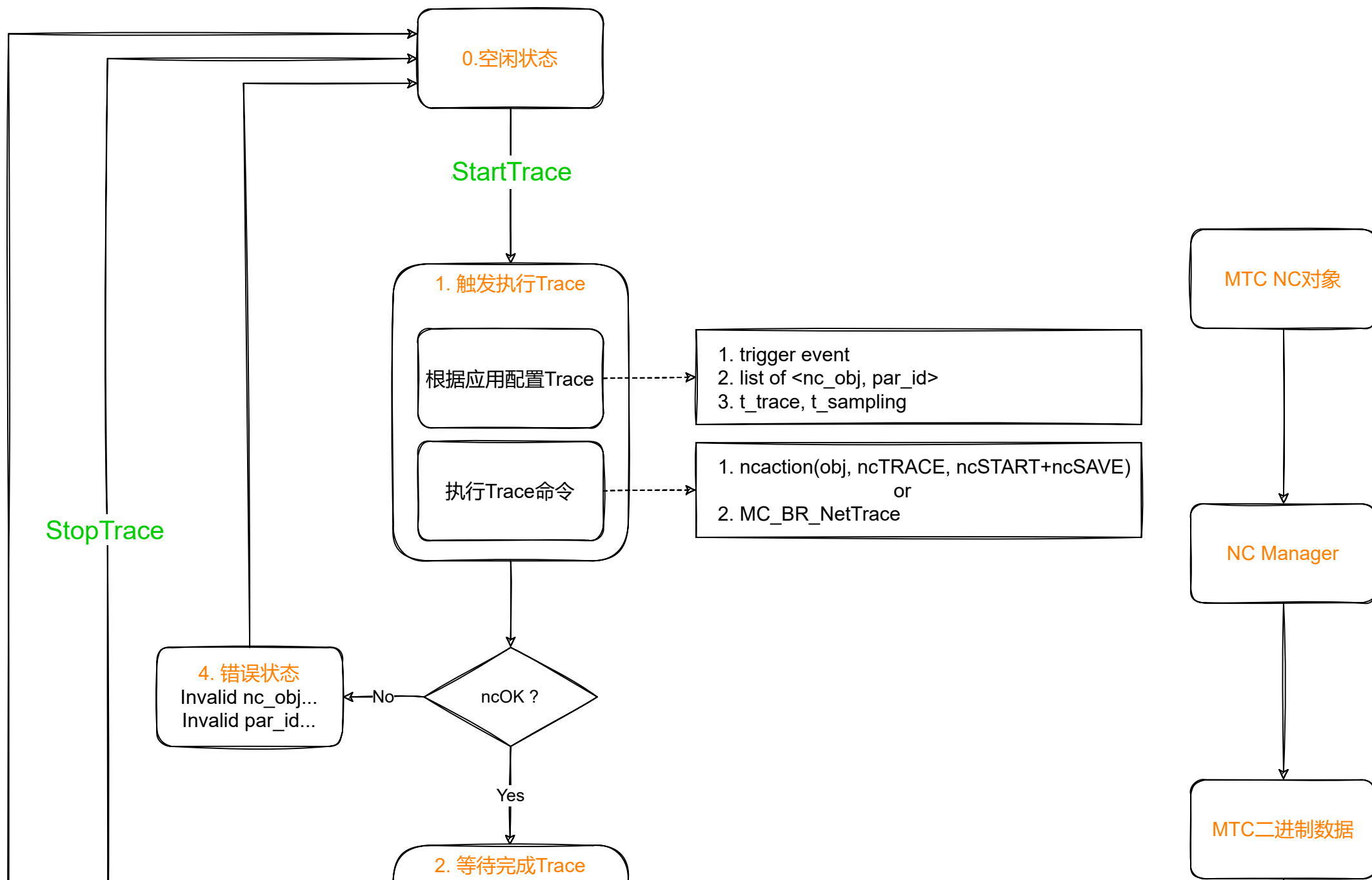
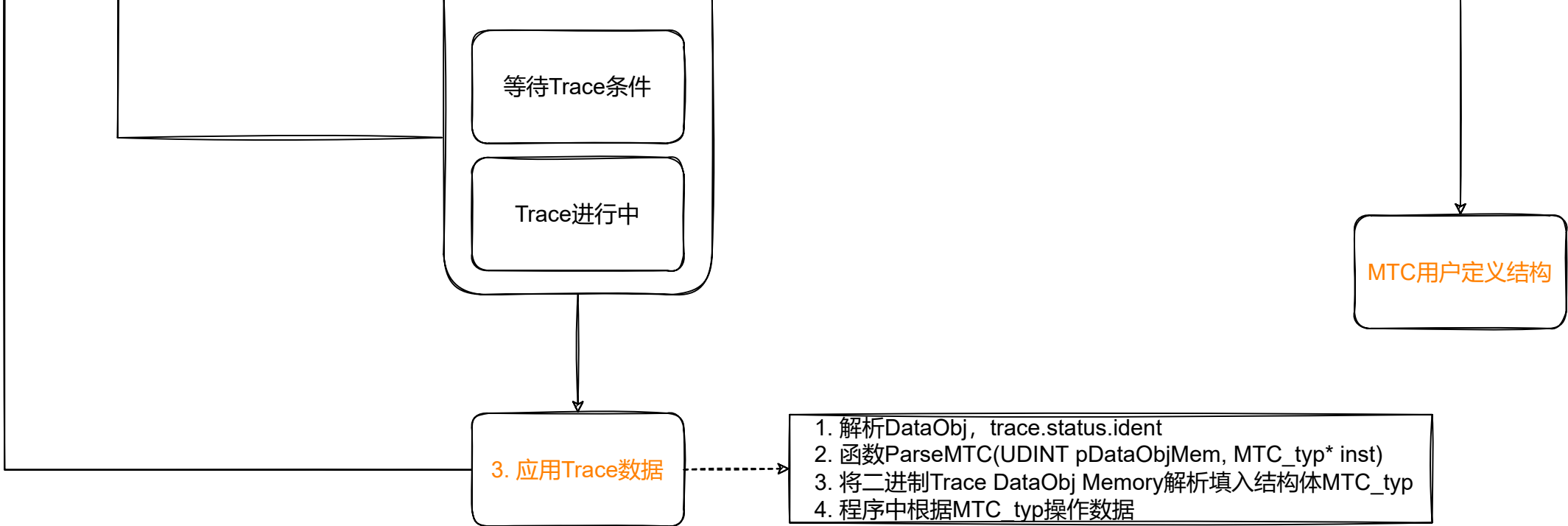


Motion Trace状态示意





Bin Format解析 (程序内存中直接使用)

Binary MTC Format		
MTC Header (Fixed 48 Bytes)		
DataFormat	STRING[15]	"MtrcBinData01"
Ident	UINT	
HeaderLength	UINT	48 + BlockName[n]
BRModVersion	UINT	
TraceType	UINT	
BlockNumber	UINT	有几个轴对象参与MTC n<=10
Reserved01	UINT	
Reserved02	UINT[5]	

MTC Data (Binary Stream) Example	
MTC Header (Fixed 48 Bytes)	
eg. n = 2(两个轴参与Trace) n <= 10 HeaderLength = 48 + 48 * 2	
BlockName[0] (48 Bytes)	
eg. "axis01"	

Reserved	UDINT[5]
MTC Header BlockName (Dynamic 48 Bytes * n)	
(n = BlockNumber, n <= 10)	
BlockName	STRING[47][n] (eg. "gAxis01")
MTC Data (Dynamic 60 Bytes + UserData(n)) * n	
(n = BlockNumber, n <= 10)	
TraceHeader	TraceHeader_typ[n]
TraceData	每个轴对象配置的Trace ID数据可以不同

TraceHeader_typ		
Trace Header (Fixed 60 Bytes)		
DataRecords	UDINT	采样数
SamplingTime	REAL	采样分辨率
DelayTime	REAL	延迟时间
TimeStamp	UDINT	采样时间戳
DataOffset	UDINT	数据所在偏移
TraceParID	TraceParEntry_typ[10]	采样ID配置

TraceParEntry_typ	
Trace Par Entry (Fixed 4 Bytes)	
ParID	UINT
Type	USINT
Reserve	USINT

BlockName[1] (48 Bytes)
eg. "axis02"
BlockHeader[0] (60 Bytes)
DataRecord = 900 Sampling Time = 0.004 Par[0] = 111 Par[1] = 114 ...
BlockData[0] (Dynamic)
根据DataRecord采样数和ParID类型决定总大小 ParID遵循类似结构体对齐原则，例如S8可能被转换为S32
BlockHeader[1] (60 Bytes)
DataRecord = 900 Sampling Time = 0.004 Par[0] = 463 Par[1] = 464 ...
BlockData[1] (Dynamic)
根据DataRecord采样数和ParID类型决定总大小 ParID遵循类似结构体对齐原则，例如S8可能被转换为S32