

```

; /* Motorola Internal Use Only */

```

```

dcl A, B, C, D, F integer := 0 ; /* For use in processing */
/* A Originator, B Terminator, */
/* C third subscriber in TC , D new caller CFB , */
/* F new caller in CW */

dcl x, y, z integer := 0 ; /* every time a signal is consumed the data in the */
/* signal is transfered to those and then stored in one of the */
/* above based on their meaning in the specs */

/* dcl AlertTime integer := 20 ; /* time to pick it up */
/* timer timer_Alert ; /* the timer that uses the value above */

/* Call Forward feature */
dcl ForwardTo integer := 0 ;
/* The no. the call will be forwarded to when Call Forward is on */

/* Teenline feature */
dcl teenlinepinrequired_on boolean := True ; /* Instead of cheking the time in the day*/
dcl teenlinepin integer := 16 ; /* check the input versus this one */

/* Terminating Call Screening feature */
dcl screenedcaller integer := 0;
/* The number of a subscriber who is not allowed to call me */

/* Call Waiting feature */
dcl Back_To_CW boolean := False ; /* A flage for memorising the state */
/* before last instead of changing the specs */

/* Delivery Blocking feature */

/* Reverse Charging feature */
dcl reversechargingcallee integer := 0;

/* Split Billing */
dcl splitbillingcallee integer := 0 ;

/* Ring Back */
dcl ringbacknumber integer := 0 ;

/* Voice Mail */
dcl voicemailnumber integer := 1000 ; /* check the dialed no. versus this one */
dcl msgtext integer := 0;

/* Constants */
dcl c_screened integer := 20 ;          dcl c_askforpin integer := 10 ;
dcl c_wrongpin integer := 11 ;          dcl c_cwhold integer := 30 ;
dcl c_anonymous integer := 40 ;         dcl c_factor integer := 50 ;
dcl c_ringback integer := 60 ;          dcl c_fastalerting integer := 61 ;
dcl c_callminder integer := 70 ;        dcl c_playbackofmsgs integer := 72 ;
dcl c_sorrynomsgs integer := 73 ;

```

; /\* Motorola Intern

```
/* Provisionning data */
/* set once by the input signal */
/* "provision" */
dcl MyNumber integer := 0 ;
/* That my own number and */
dcl CFB_on boolean := False ;
dcl TL_on boolean := False ;
dcl TCS_on boolean := False ;
dcl CW_on boolean := False ;
dcl TC_on boolean := False ;
dcl RC_on boolean := False ;
dcl CNDB_on boolean := False ;
dcl RB_on boolean := False ;
dcl VM_on boolean := False ;
dcl SB_on boolean := False ;
```

```
/* Call Waiting feature everyone side */
/* "Originating" while subscriber in a termnating call */
/* is handled all in this page*/
/* i.e. The guy I called me is putting the other guy */
/* who called him before on hold */
```

```
/* Call Waiting feature everyone side */
/* while subscriber in a termnating call */
/* is handled all in this page*/
/* i.e. The guy who called me put me on hold */
```

```
/* Call forward everyone side "Originating" is */
/* handled mostly in this page*/

/* Terminating Call screening everyone side "Originating" is */
/* handled all in this page*/
```

```
/* Terminating Call Screening feature Subscriber side */
/* "Terminating" is handled all in this page*/
```

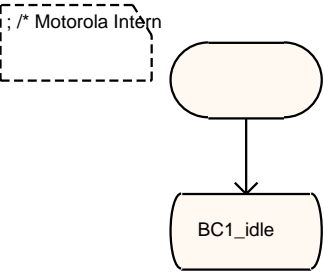
```
/* Call Waiting feature Subscriber side */
/* "Terminating" while in an originating call */
/* is handled all in this page*/
```

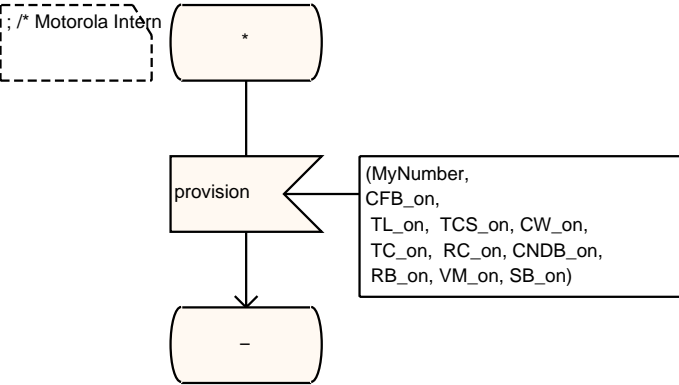
```
/* Call Waiting feature everyone side */
/* while subscriber in a originating call */
/* is handled all in this page*/
/* i.e. The guy who I called put me on hold */
```

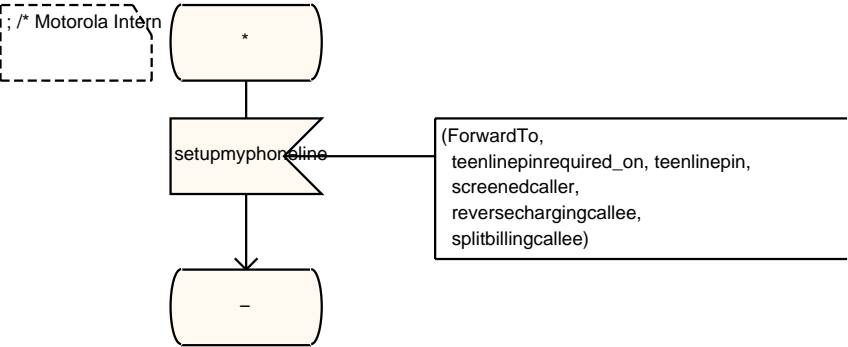
```
/* Call Waiting feature Subscriber side */
/* "Terminating" while in an termnating call */
/* is handled all in this page*/
```

```
/* ring Back Subscriber side "RB Terminator */
```

```
/* ring Back Every one side "Originator */
```

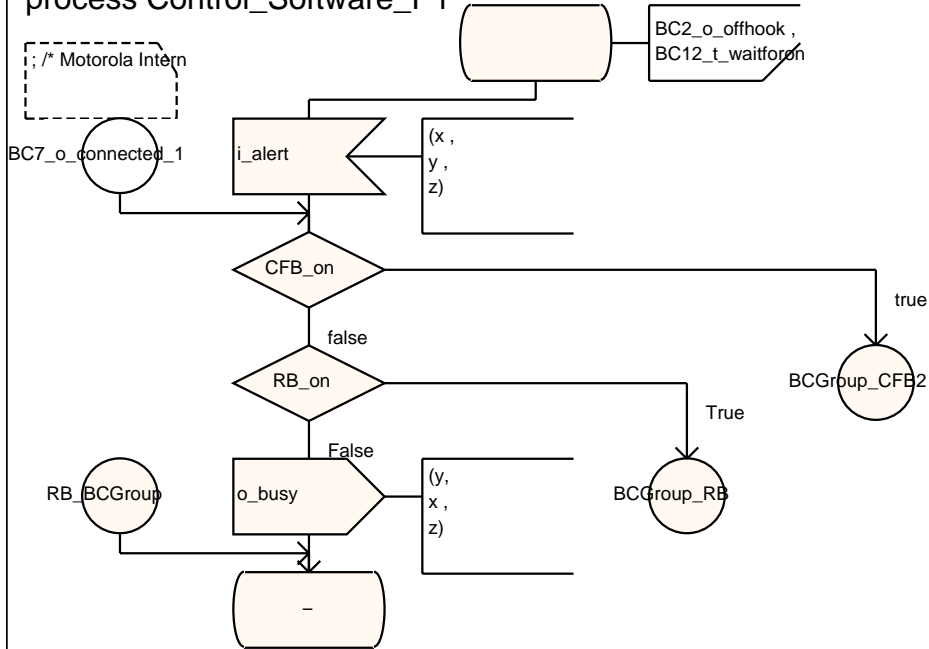






# process Control\_Software\_P1

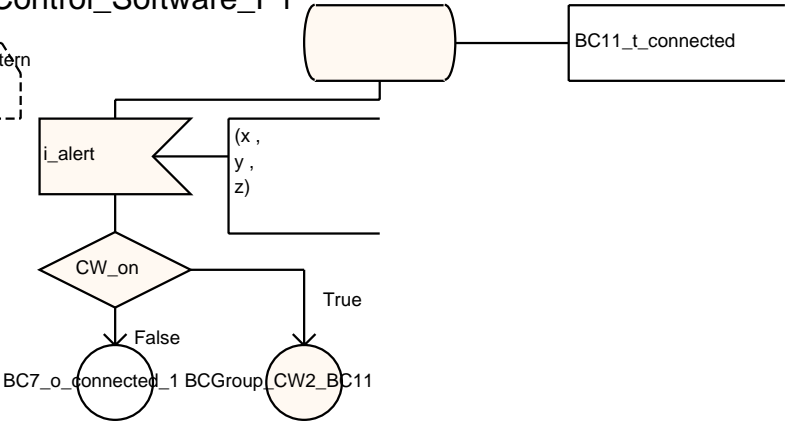
4(94)



## Control\_Software\_P1 4

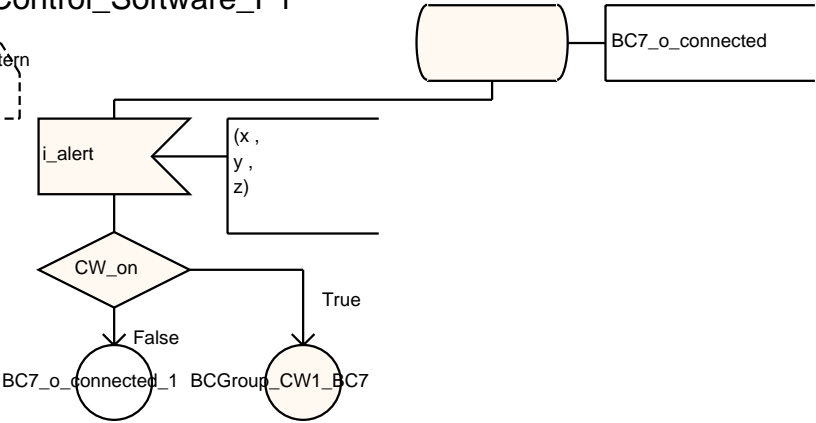
BC2\_o\_offhook , BC3\_o\_dialtone, BC4\_o\_dialed, BC8\_o\_waitforonhook,  
BC12\_t\_waitforonhook, BC6\_o\_waitforanswer, BC5\_o\_busy, BC9\_t\_busystatus , BC10\_t  
\_alerted

/\* Motorola Intern





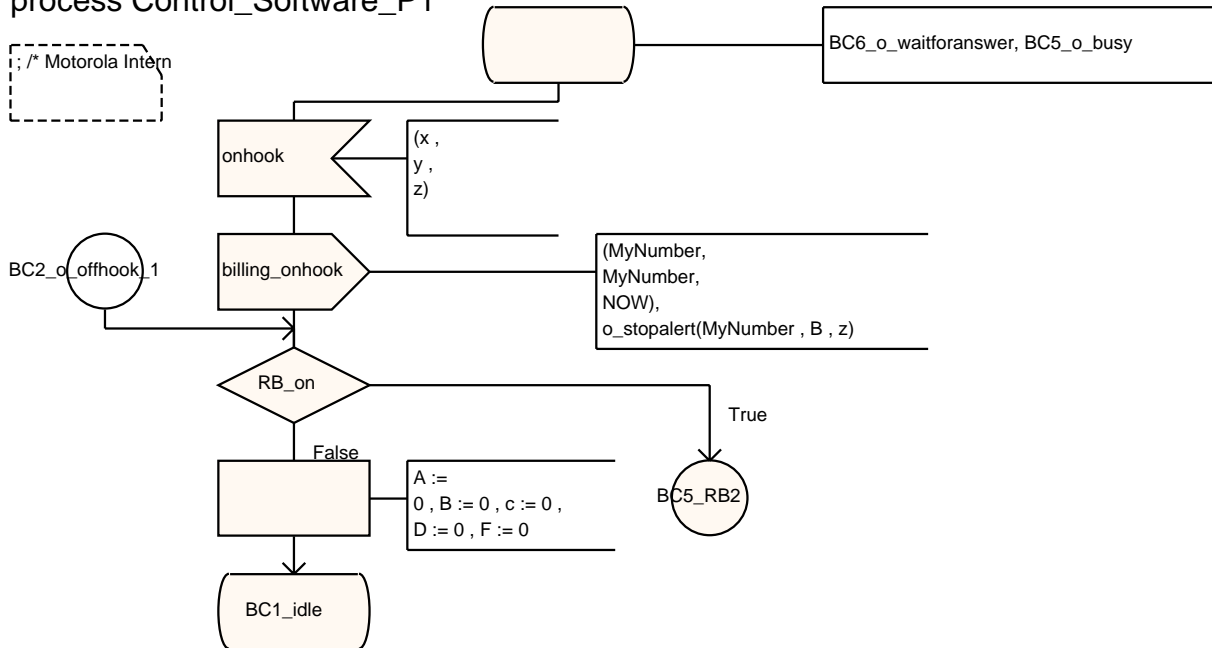
/\* Motorola Intern

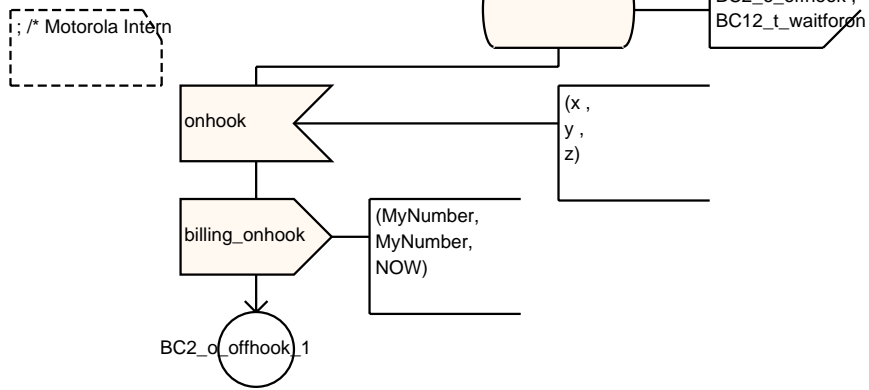


# process Control\_Software\_P1

7(94)

```
/* Motorola Intern
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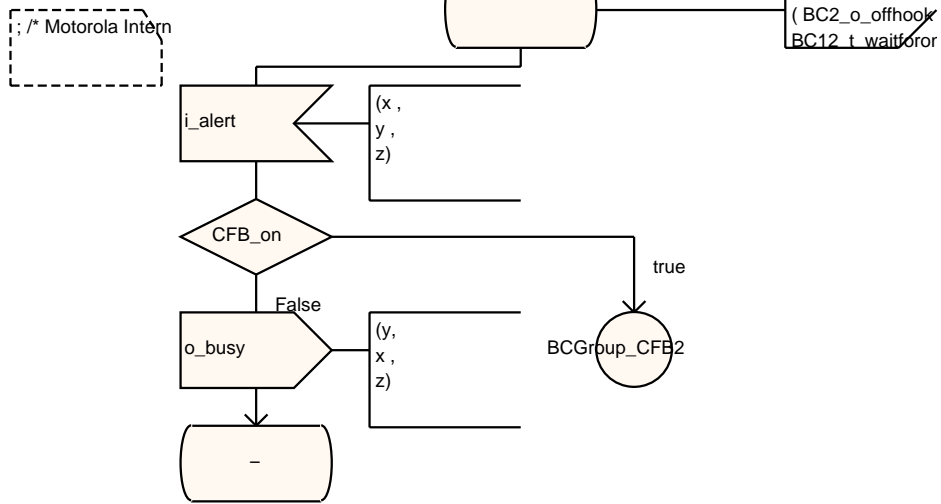


## Control\_Software\_P1 8

BC2\_o\_offhook , BC3\_o\_dialtone, BC4\_o\_dialed, BC8\_o\_waitforonhook,  
BC12\_t\_waitforonhook

# process Control\_Software\_P1

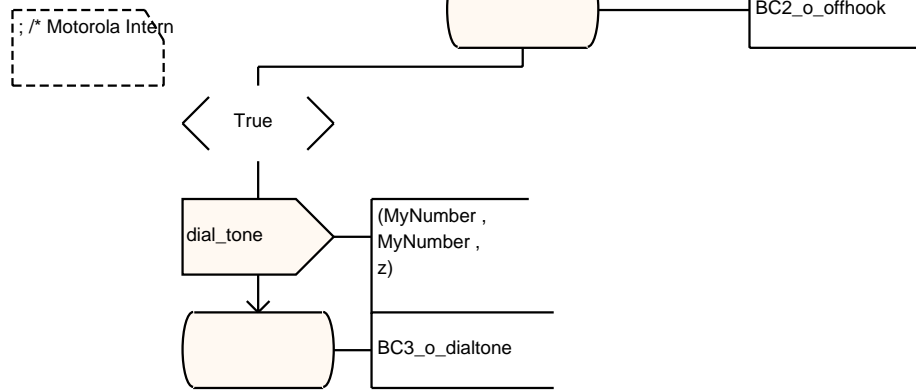
9(94)

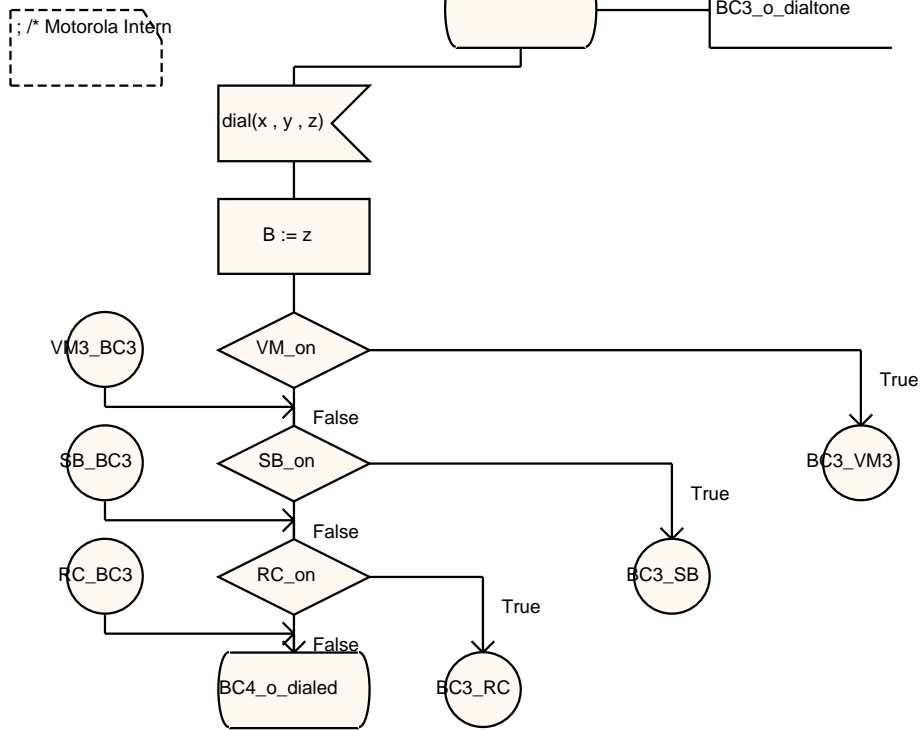


## Control\_Software\_P1 9

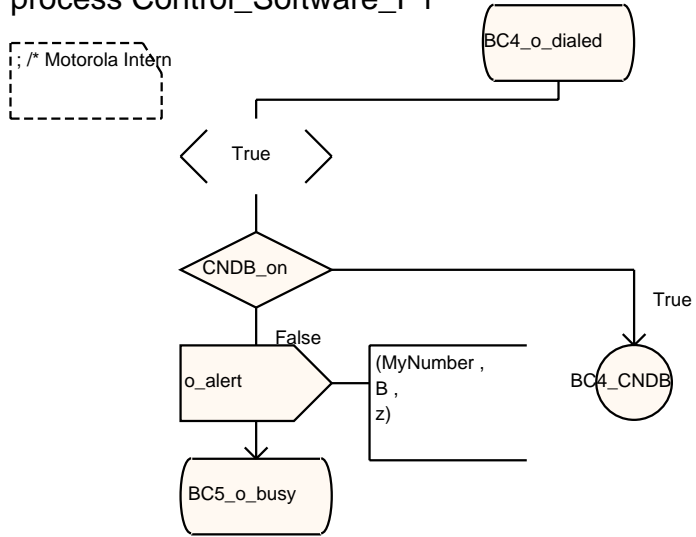
\*

( BC2\_o\_offhook , BC3\_o\_dialtone, BC4\_o\_dialed, BC8\_o\_waitforonhook,  
BC12\_t\_waitforonhook, BC6\_o\_waitforanswer, BC5\_o\_busy, BC9\_t\_bustatus , BC10\_t  
\_alerted ,  
BC1\_idle, BC7\_o\_connected,BC11\_t\_connected)

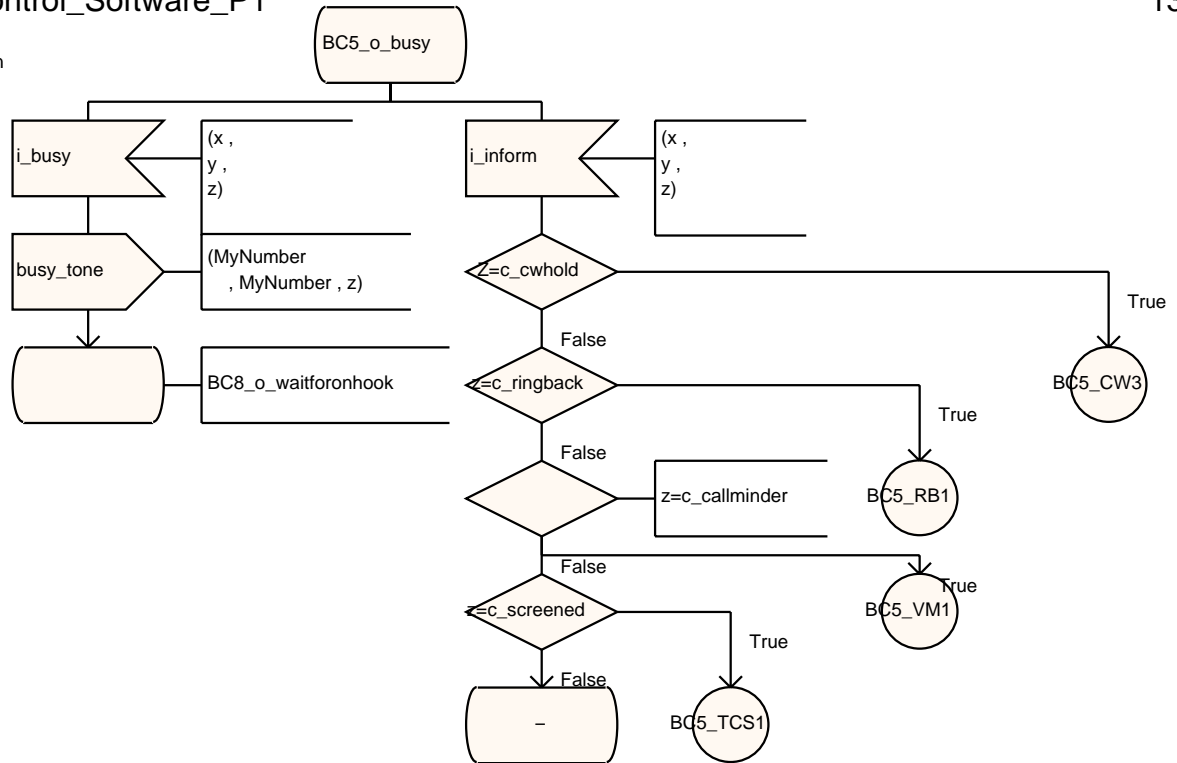


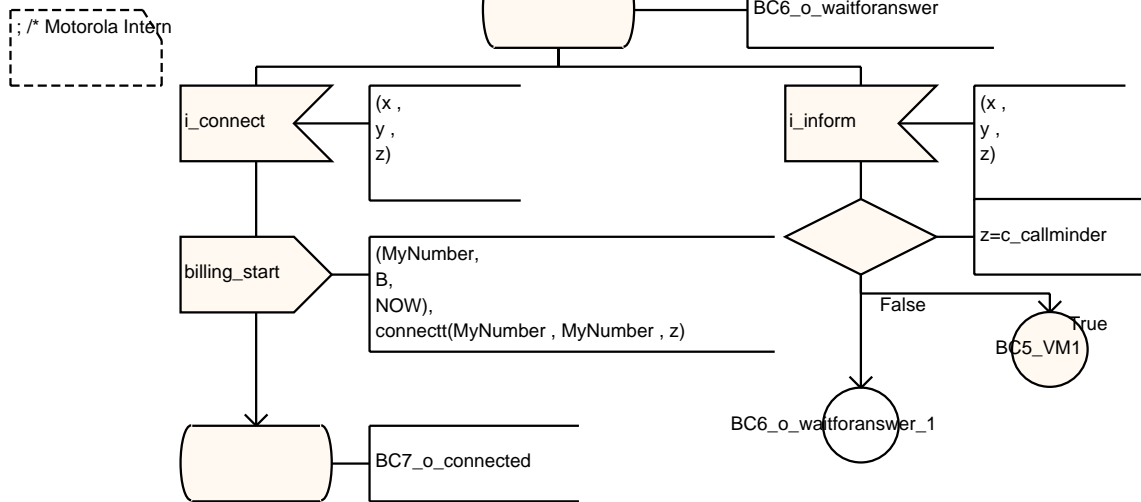




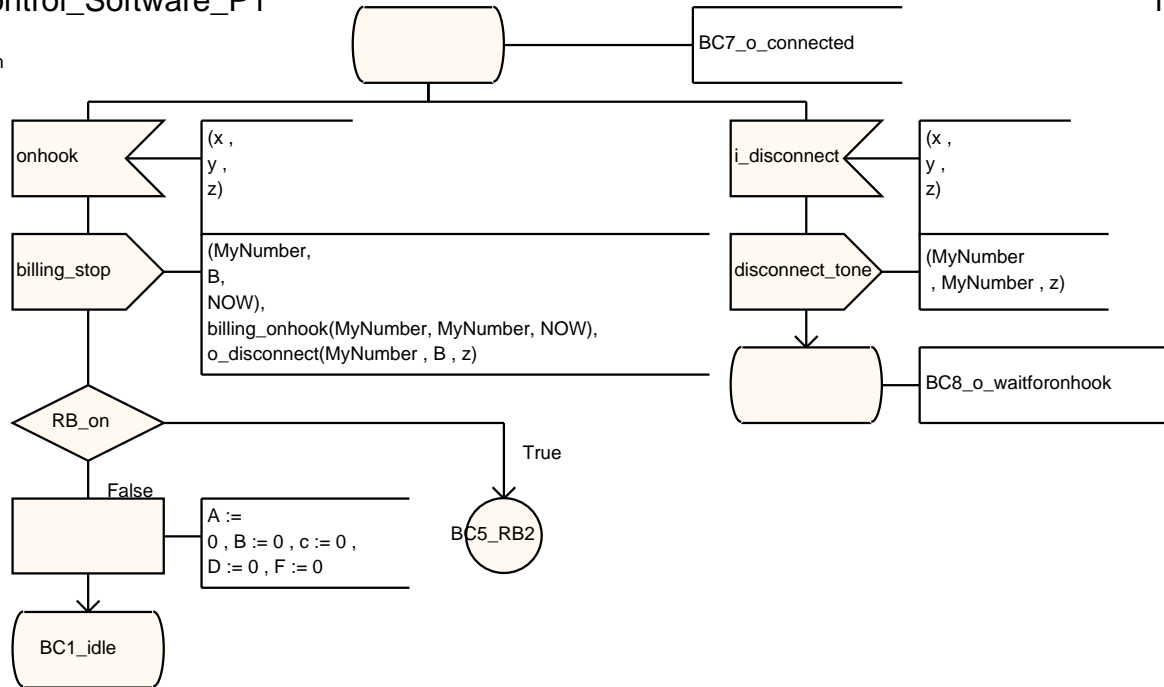


```
/* Motorola Intern
```

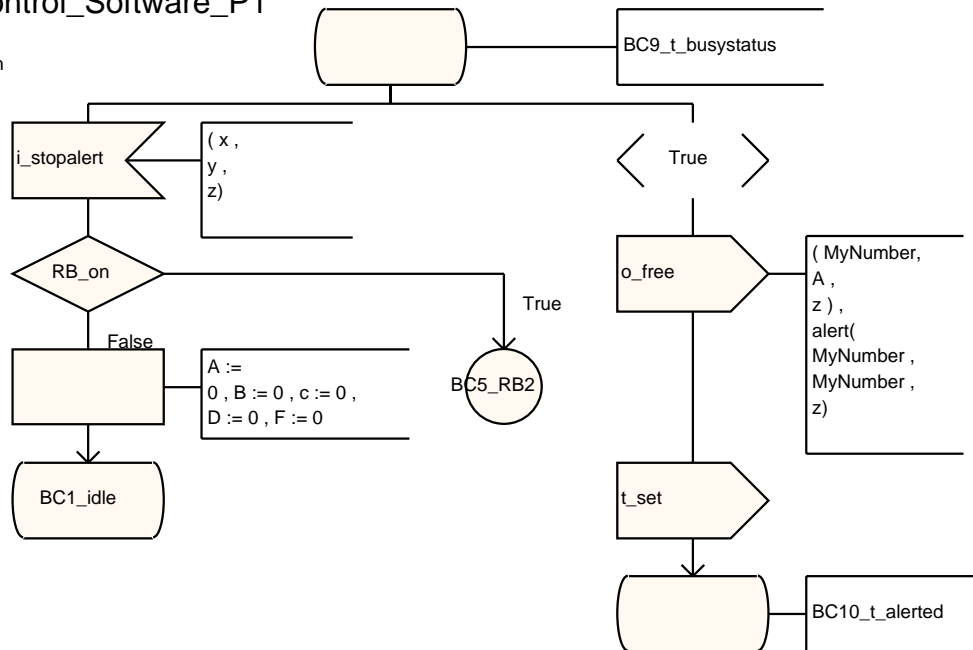




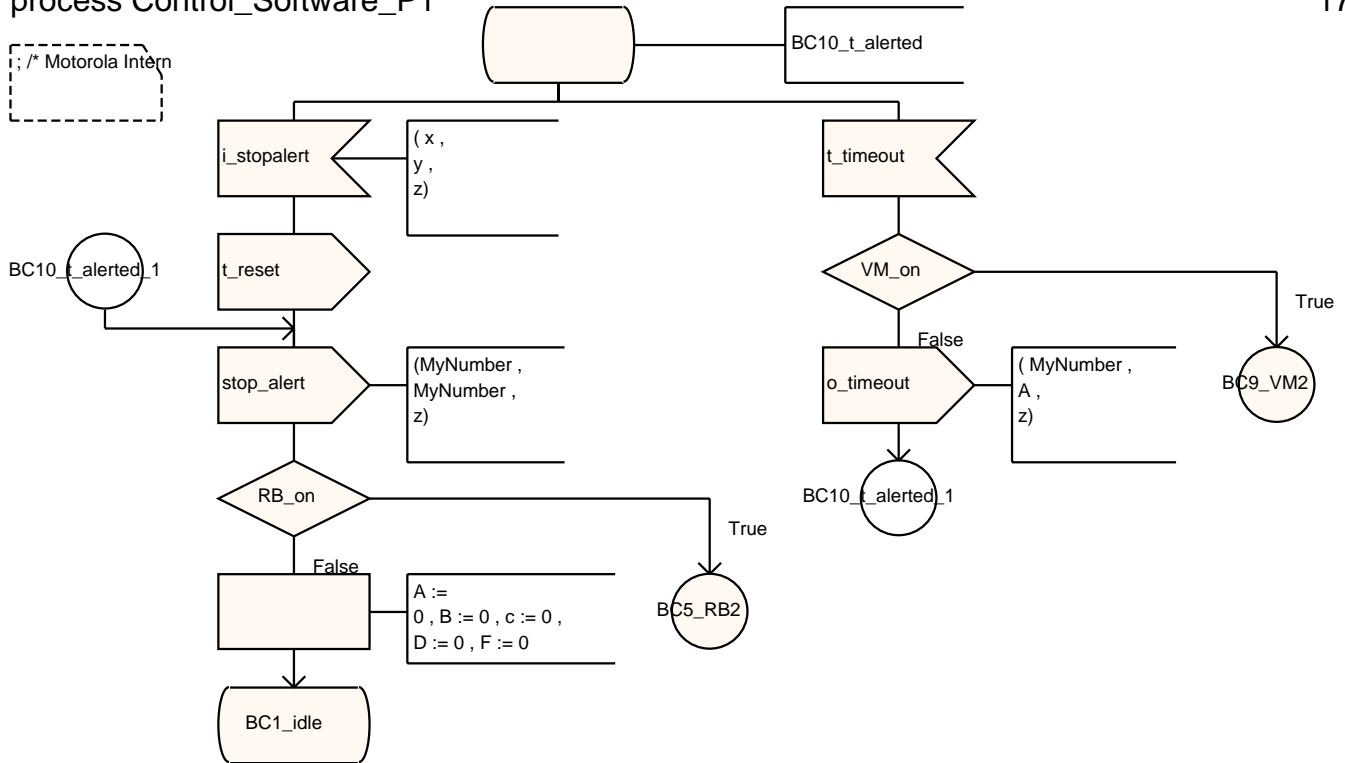
```
/* Motorola Intern
```



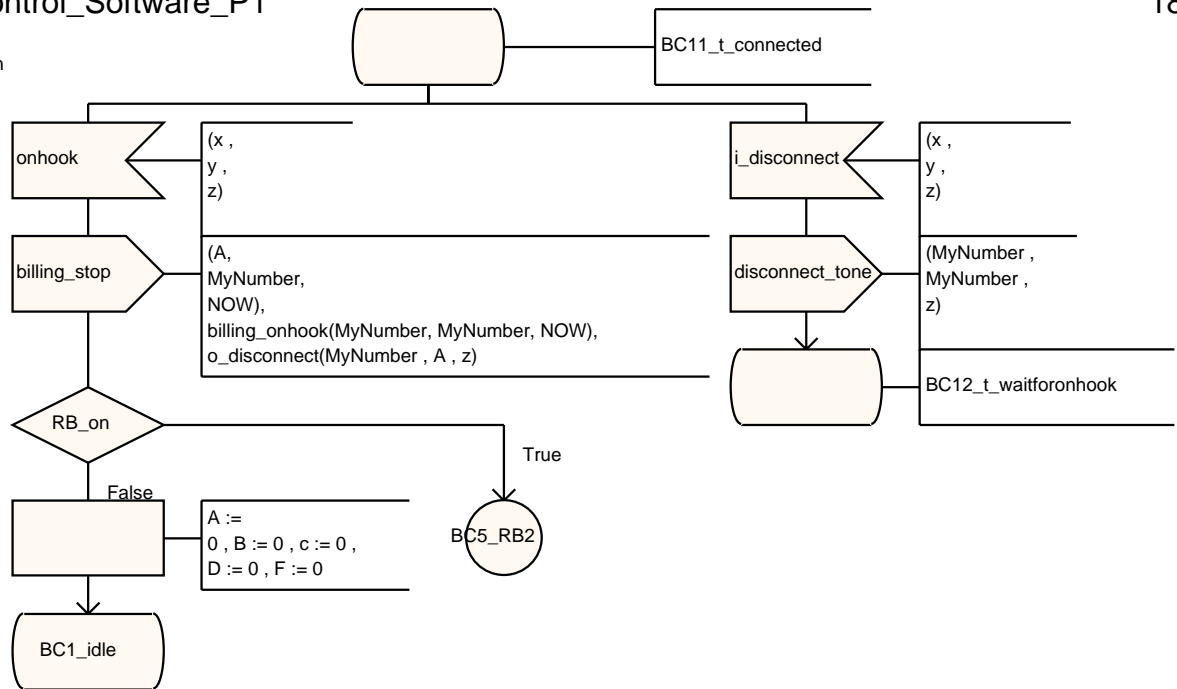
```
/* Motorola Intern
```



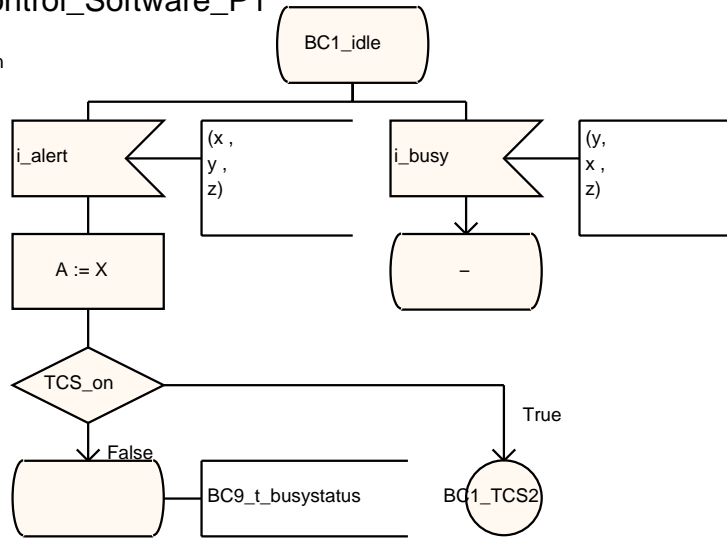
```
/* Motorola Intern
```



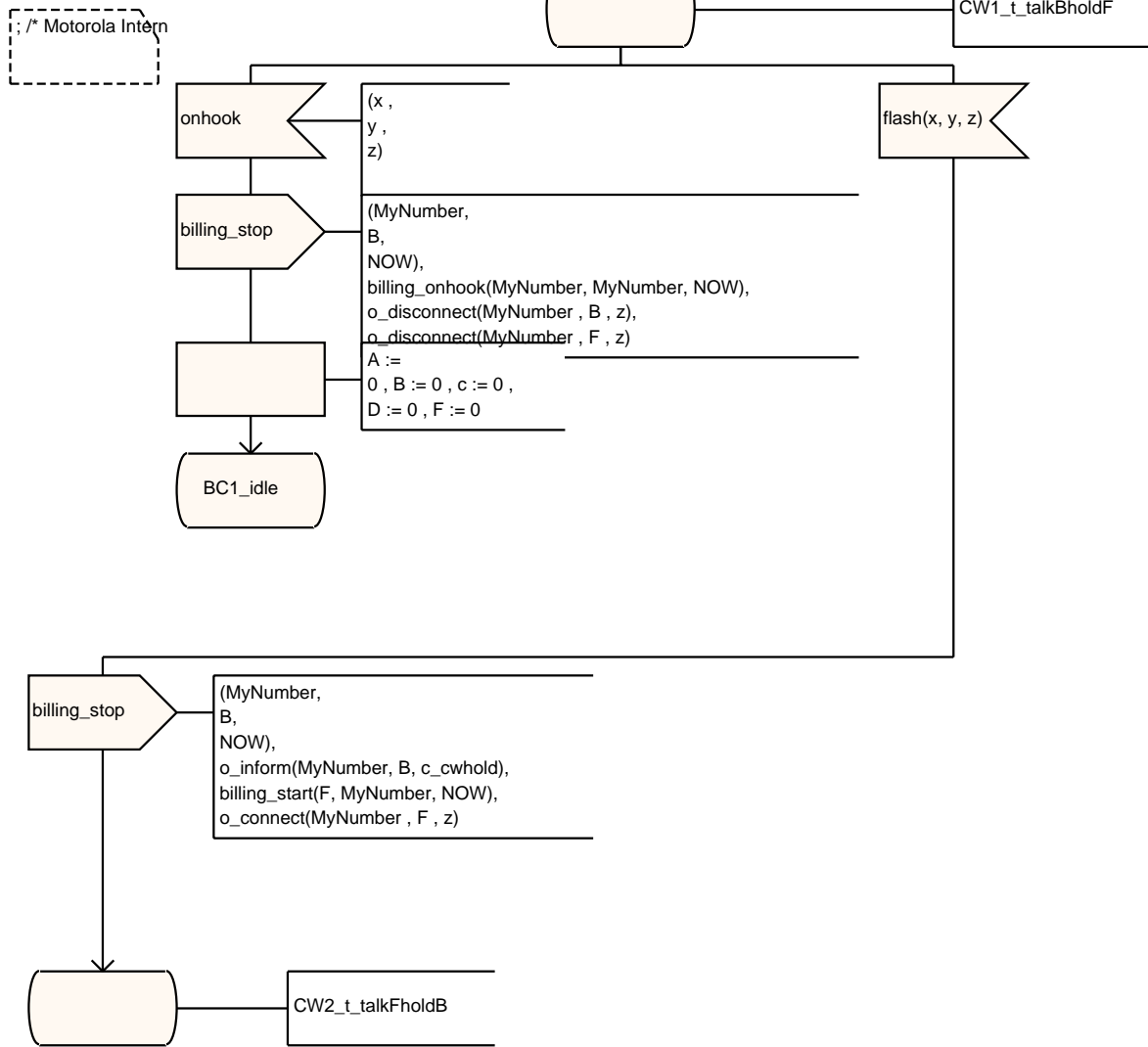
```
/* Motorola Intern
```

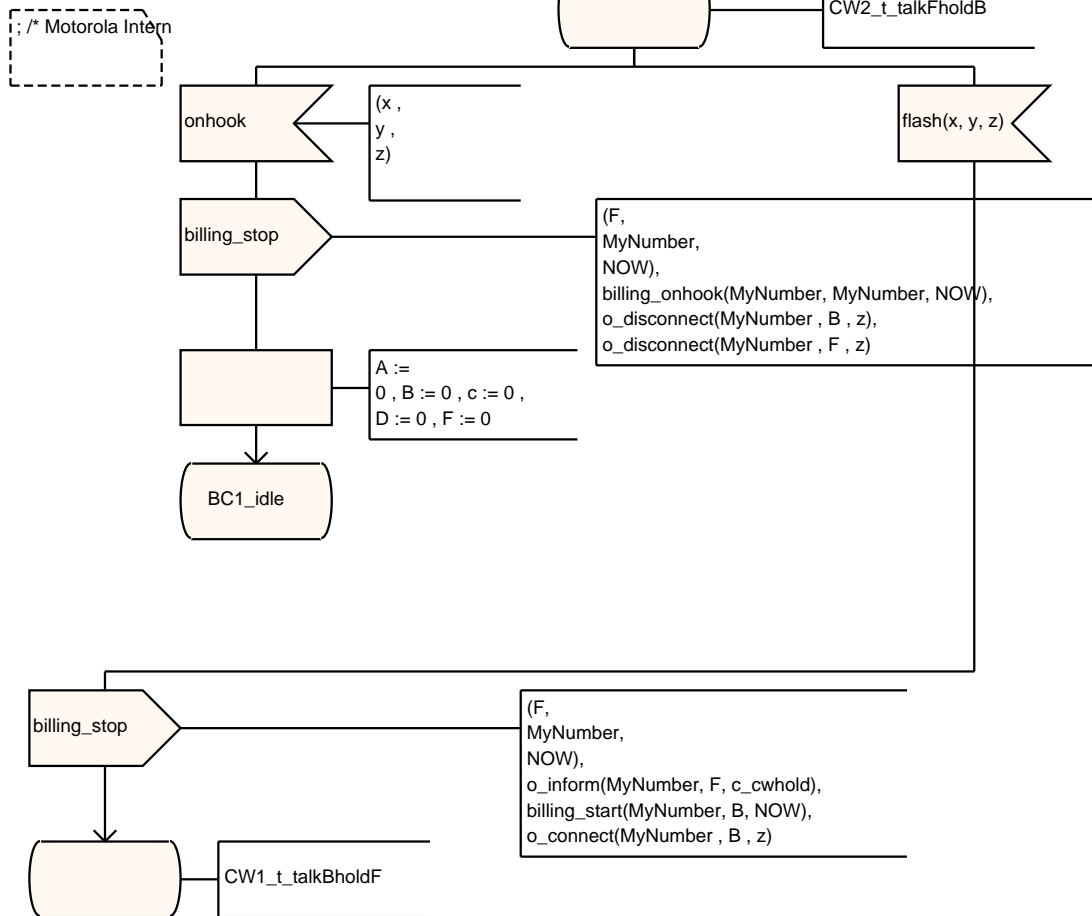


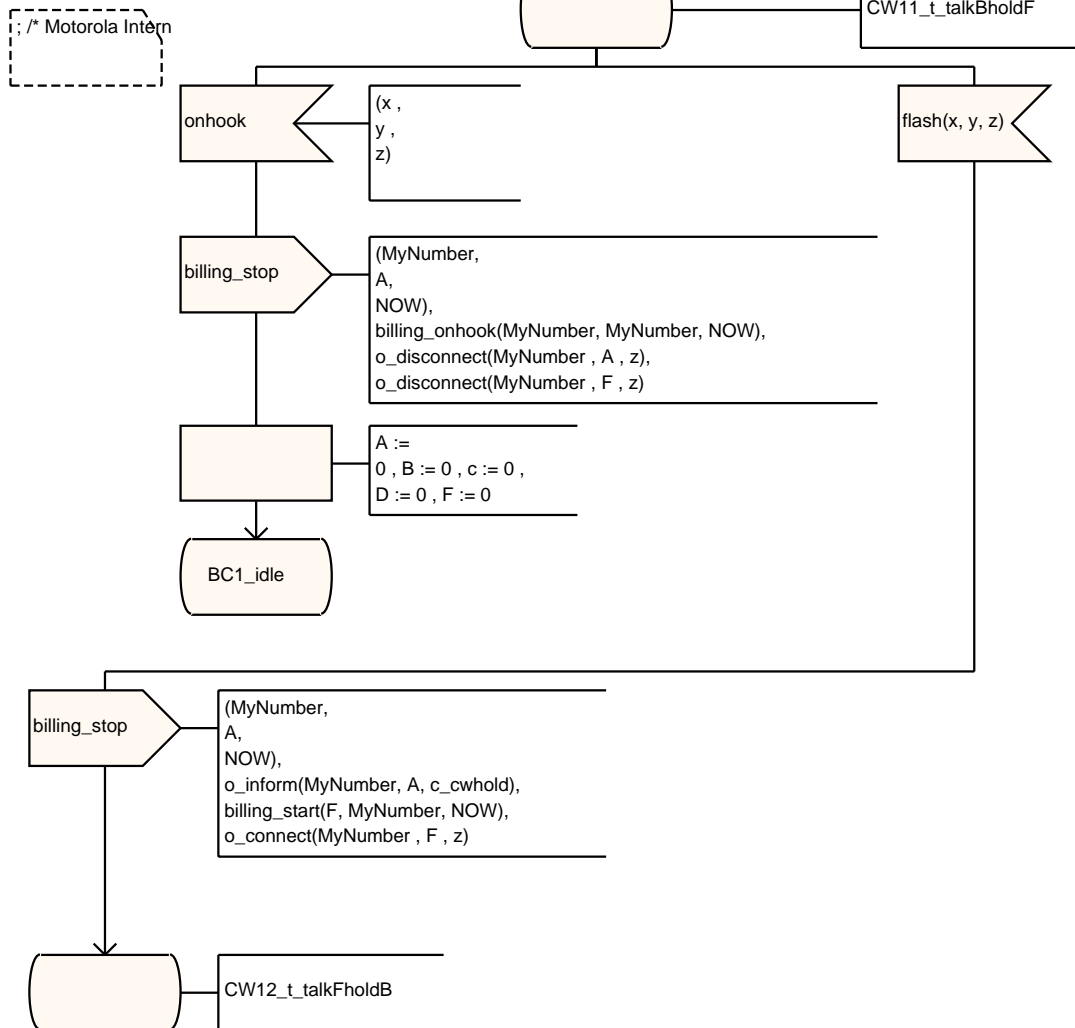
```
/* Motorola Intern
```

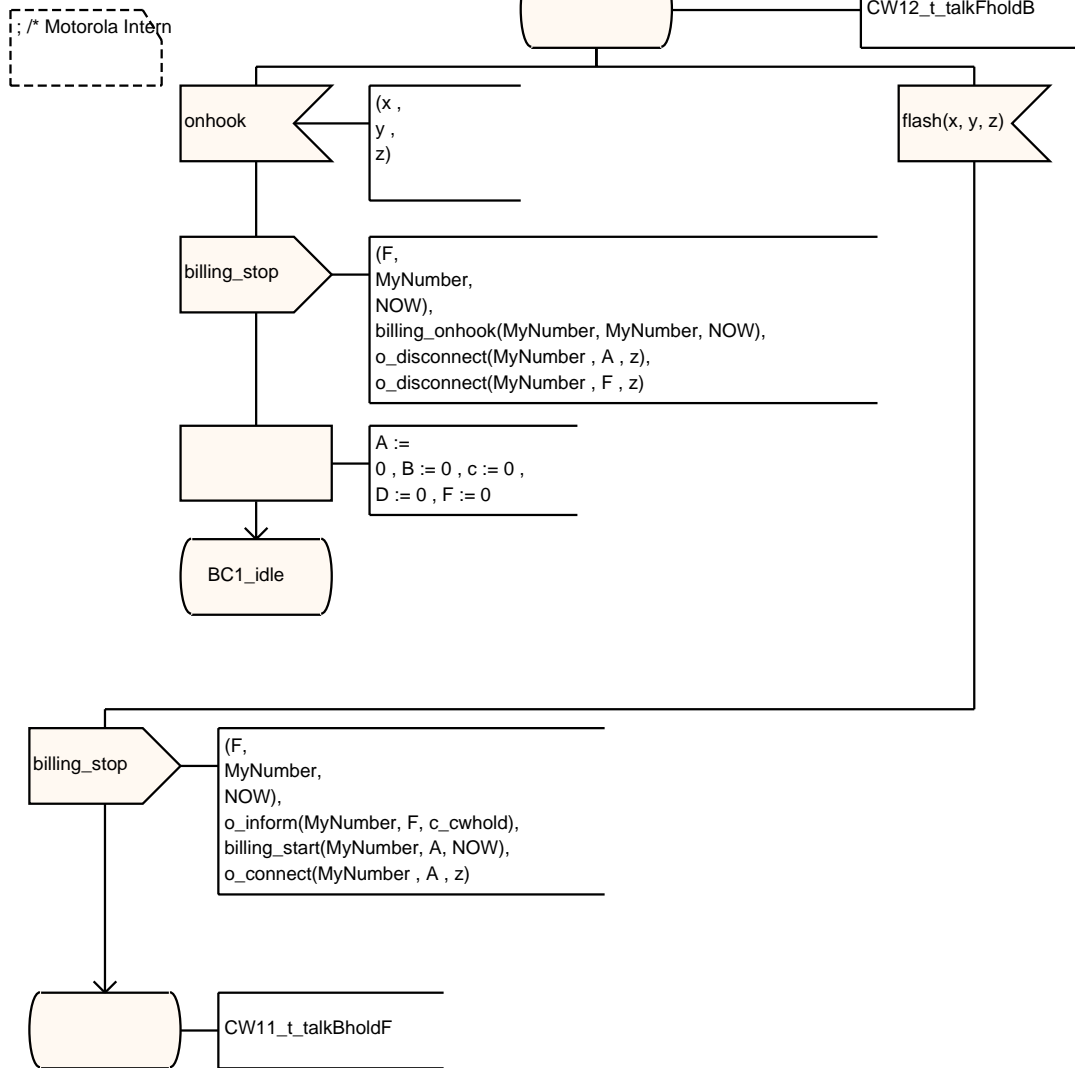


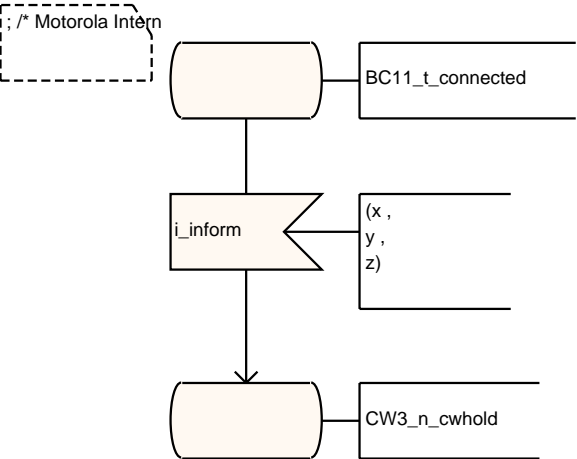




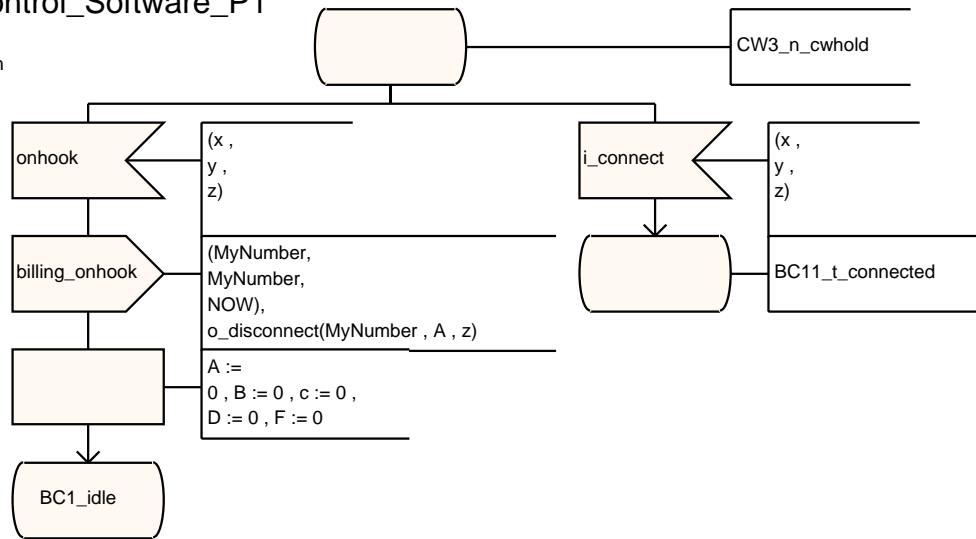


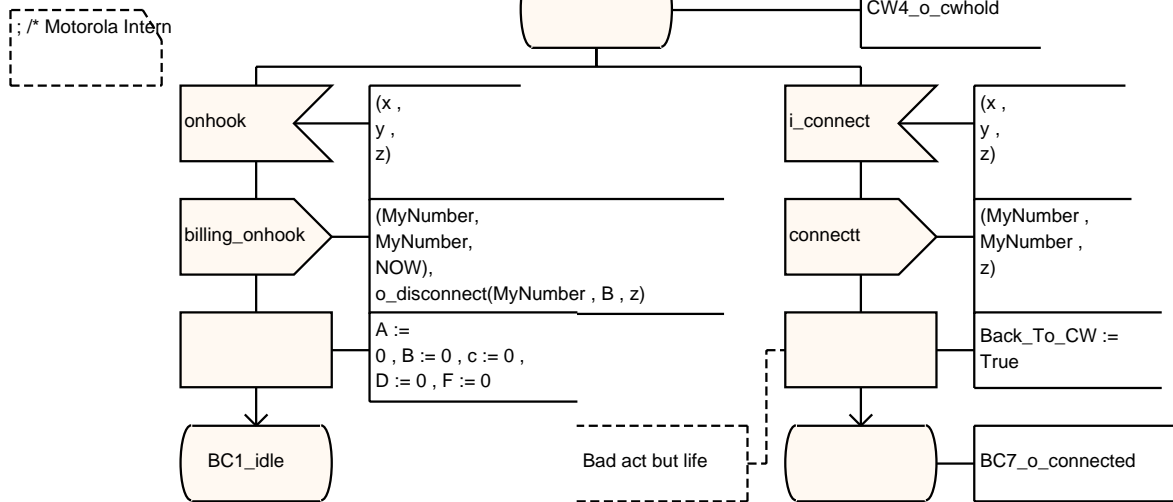






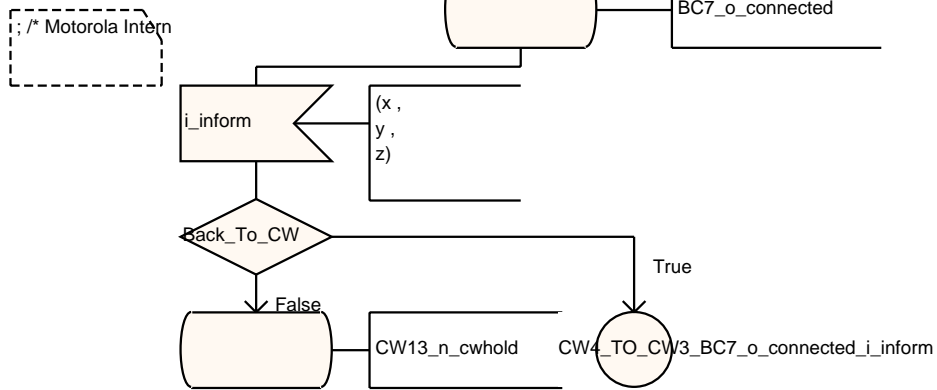
```
/* Motorola Intern
```



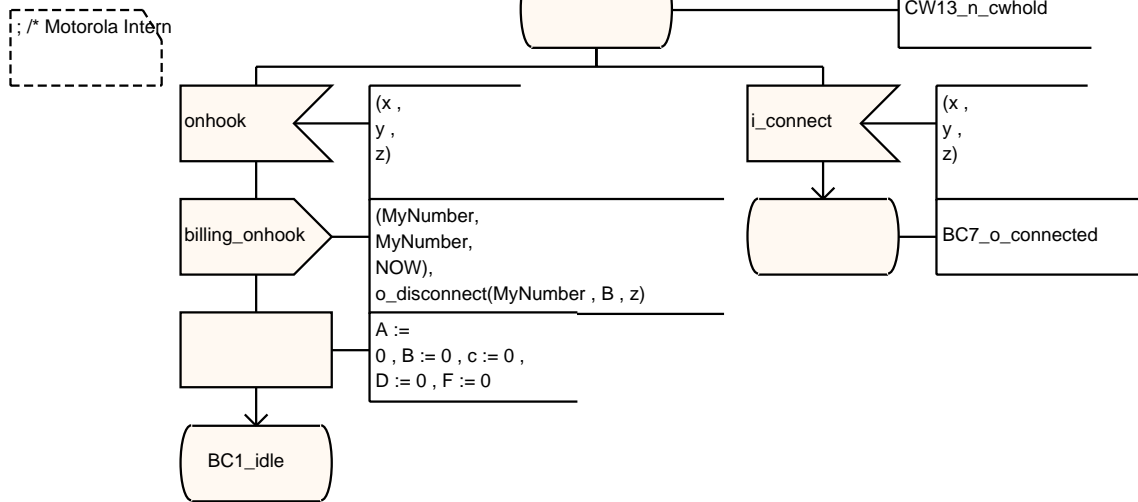


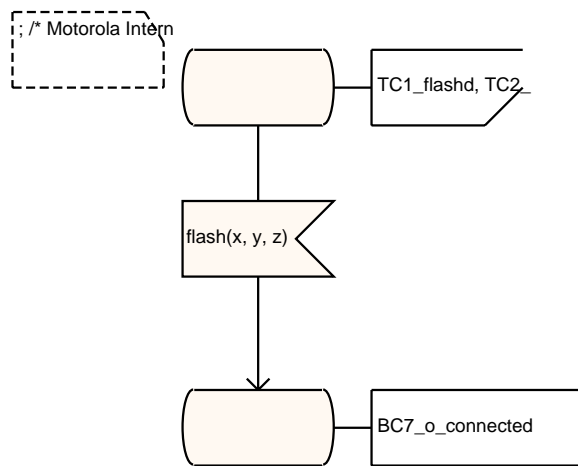
# process Control\_Software\_P1

27(94)



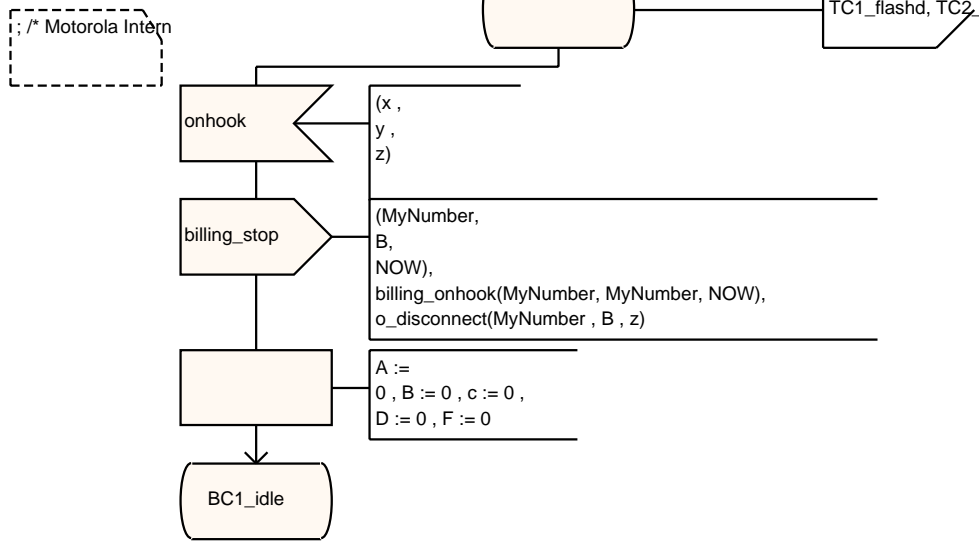






## Control\_Software\_P1 29

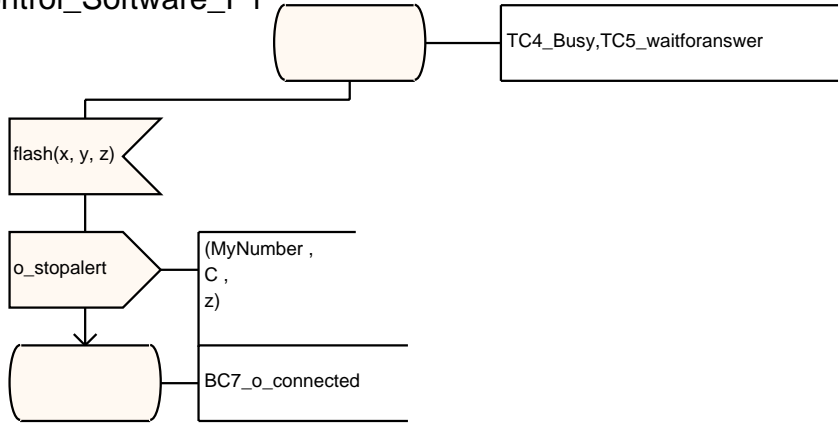
TC1\_flashd, TC2\_dialtone, TC3\_dialed, TC4b\_waitforflash

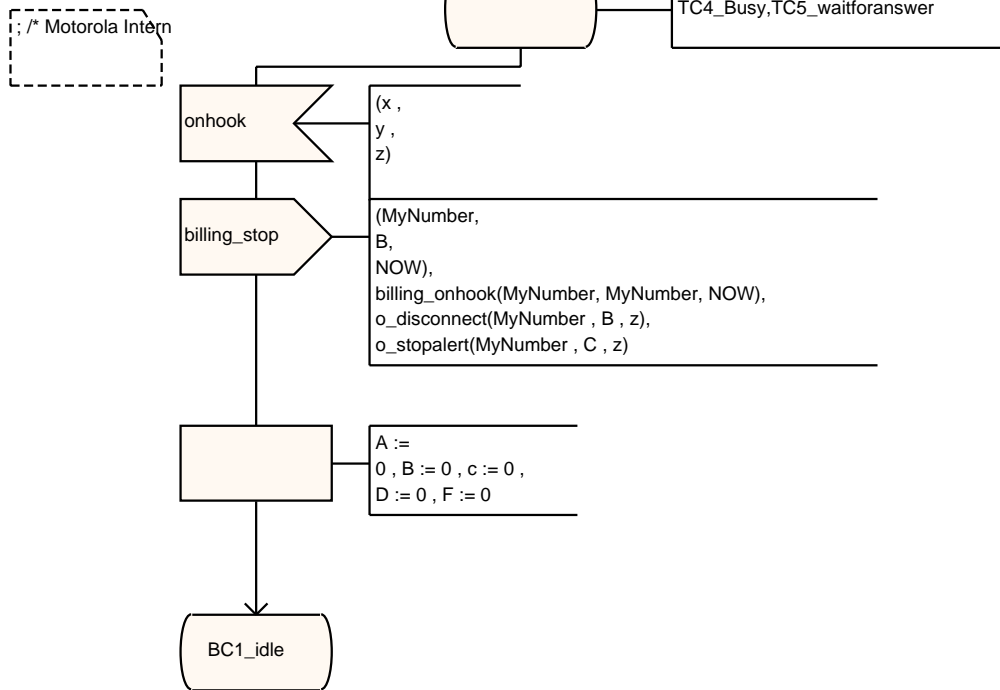


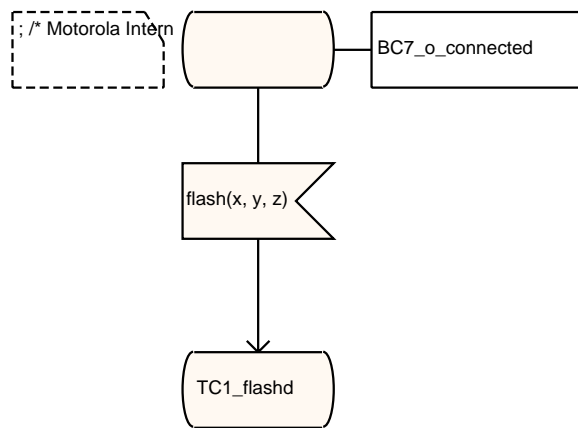
## Control\_Software\_P1 30

TC1\_flashd, TC2\_dialtone, TC3\_dialed , TC4b\_waitforflash

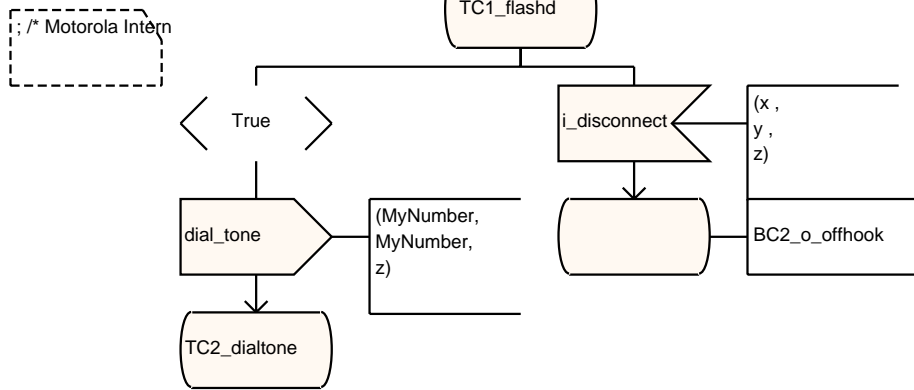
/\* Motorola Intern



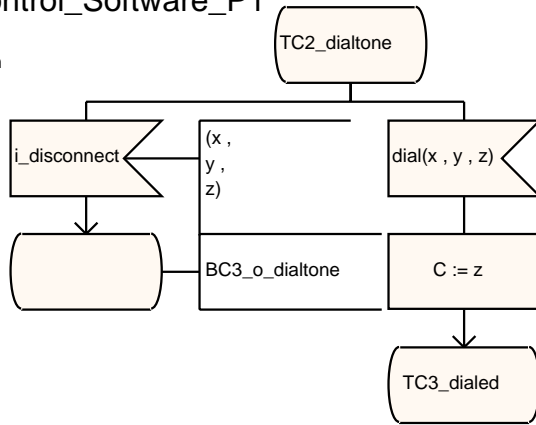


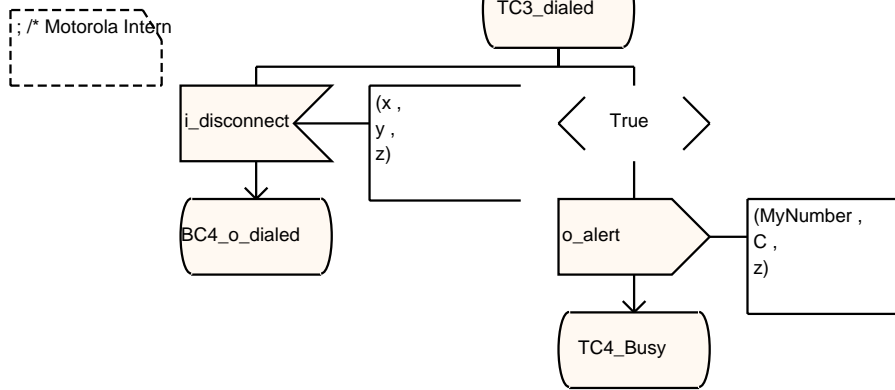




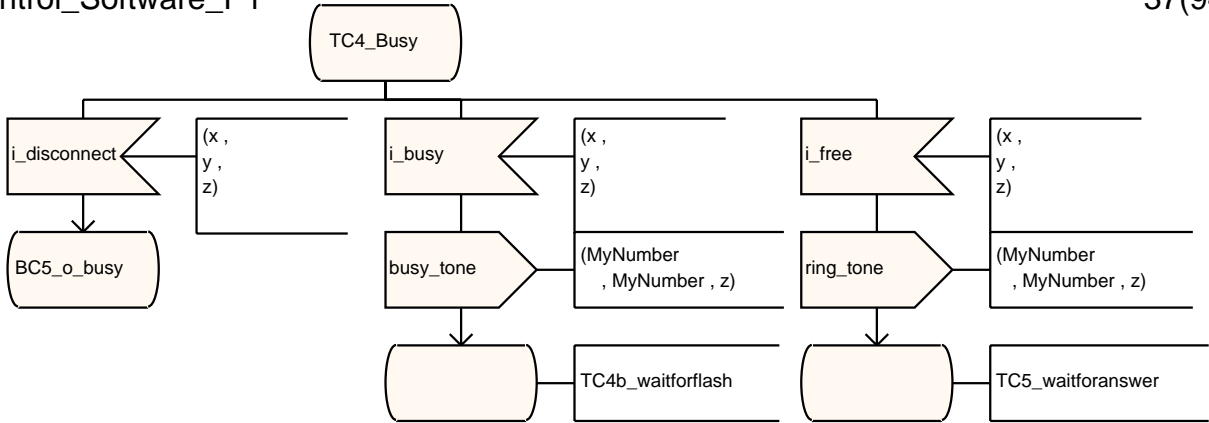


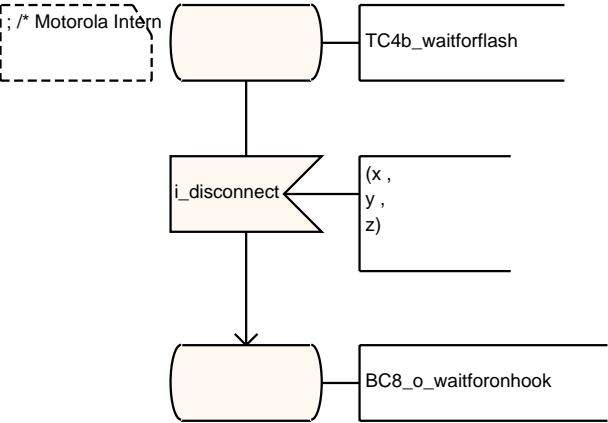
/\* Motorola Intern

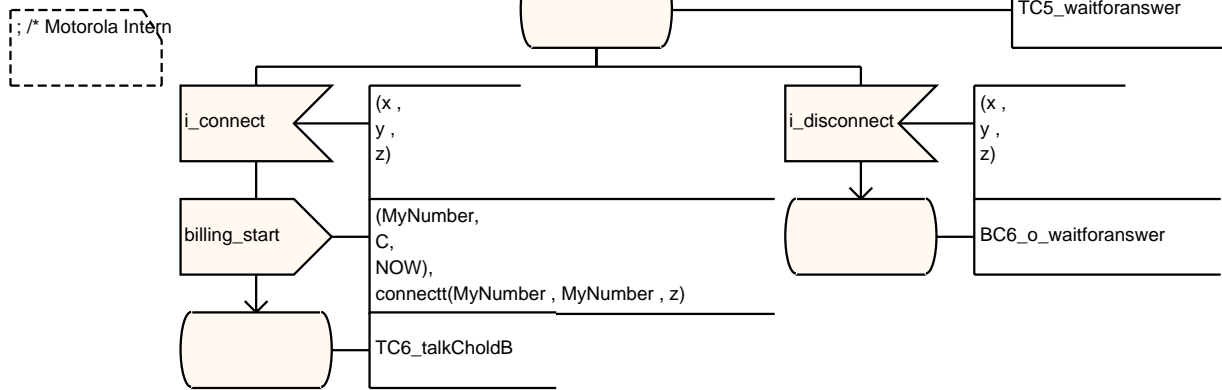


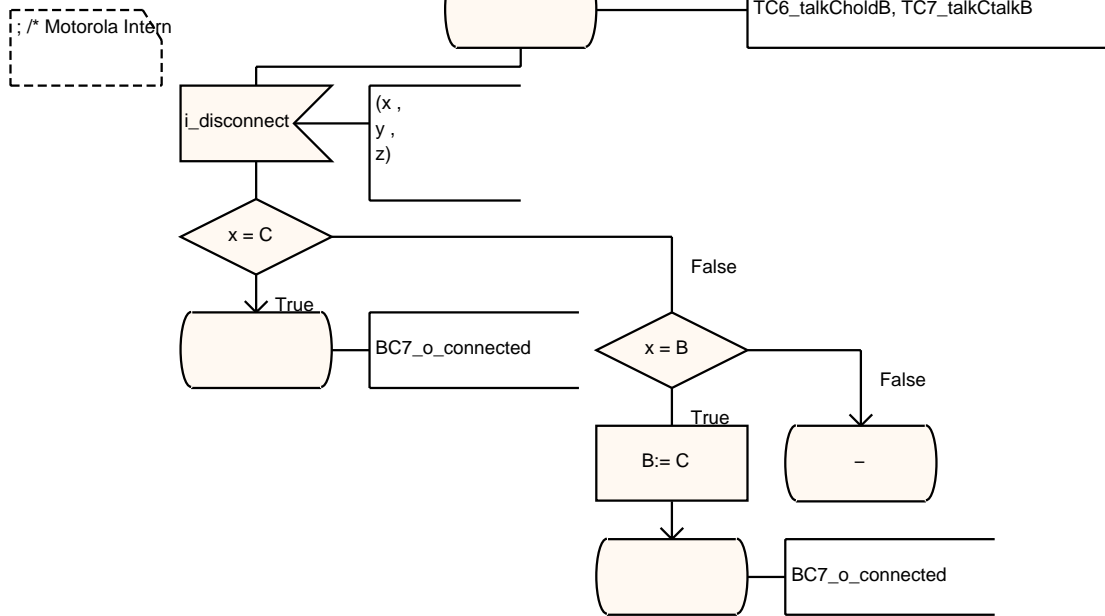


/\* Motorola Intern

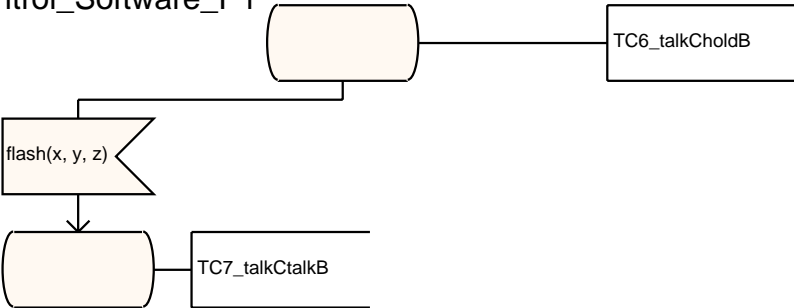




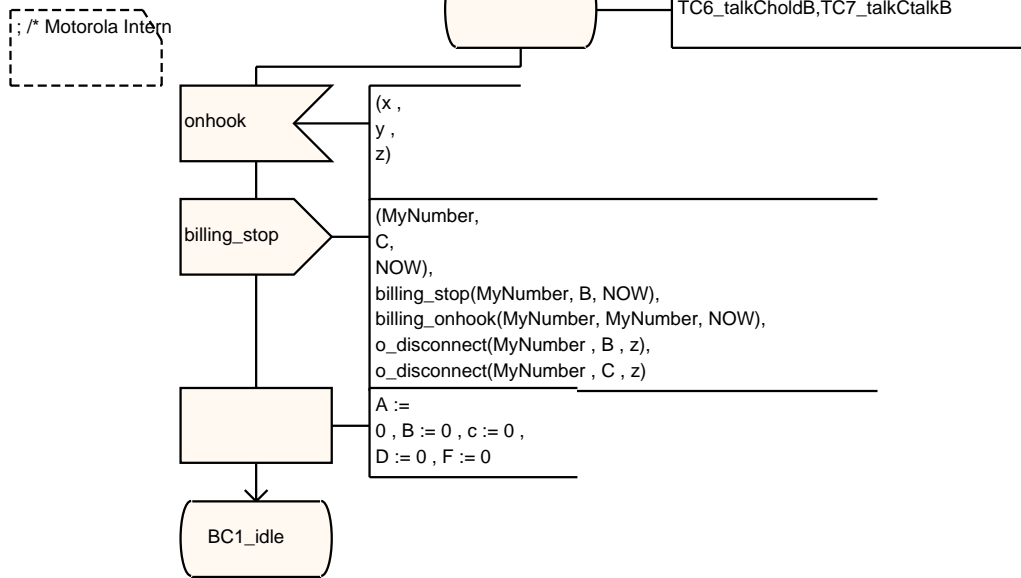


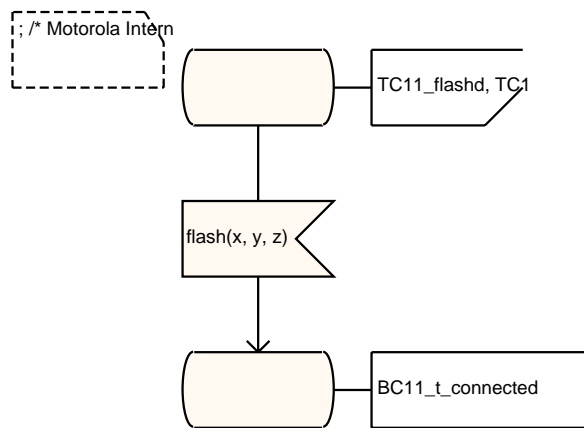


/\* Motorola Intern



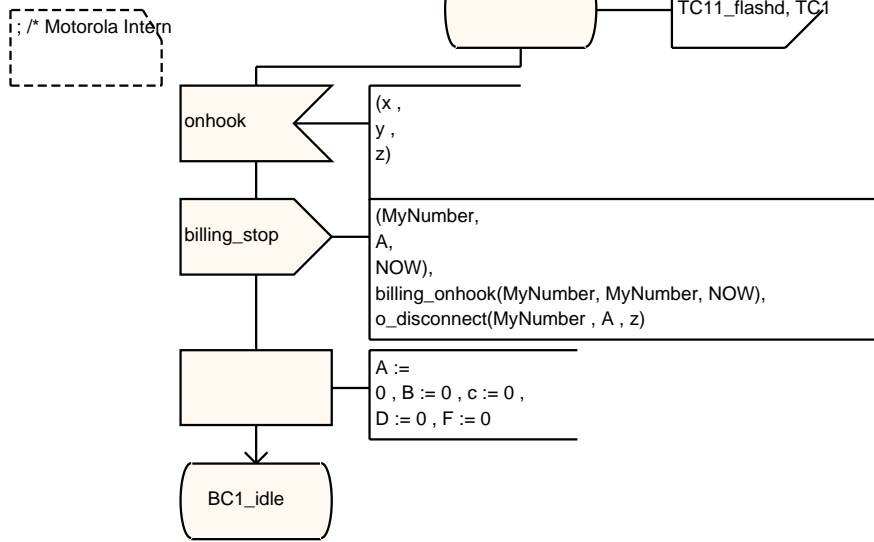






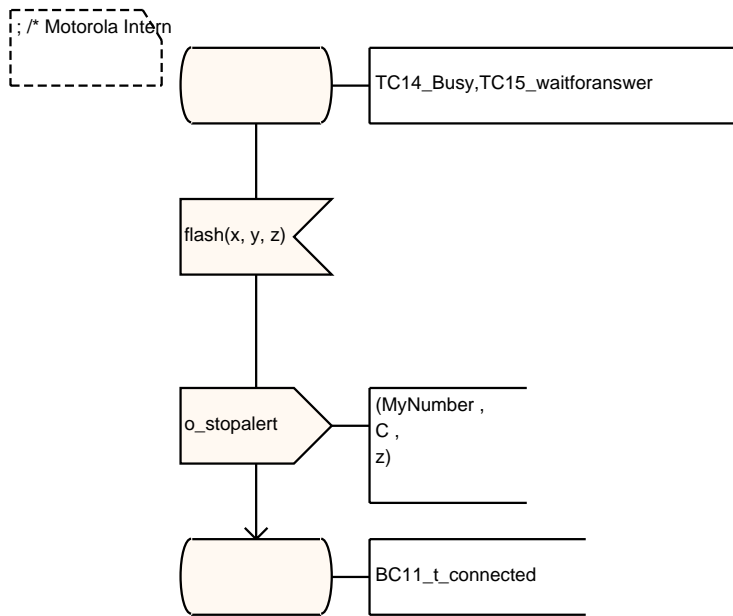
## Control\_Software\_P1 43

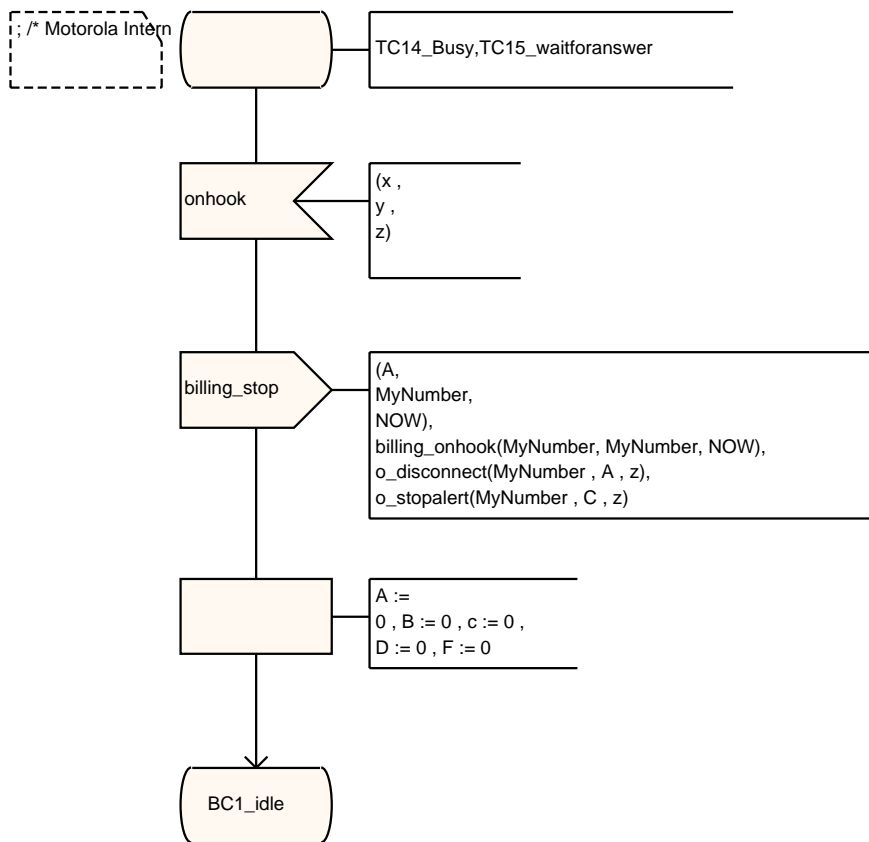
TC11\_flashd, TC12\_dialtone, TC13\_dialed, TC14b\_waitforflash

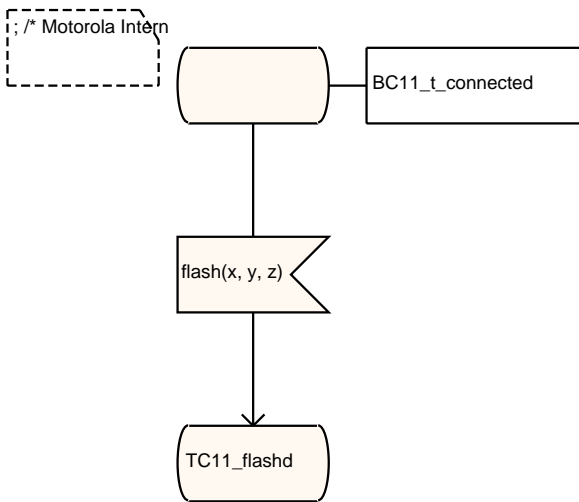


## Control\_Software\_P1 44

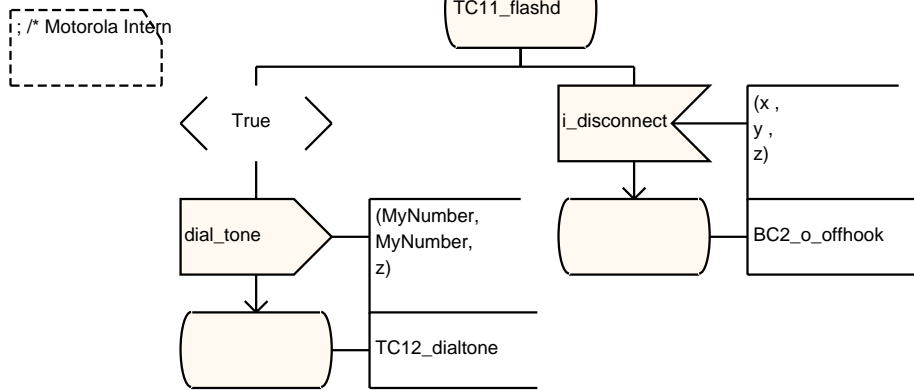
TC11\_flashd, TC12\_dialtone, TC13\_dialed , TC14b\_waitforflash





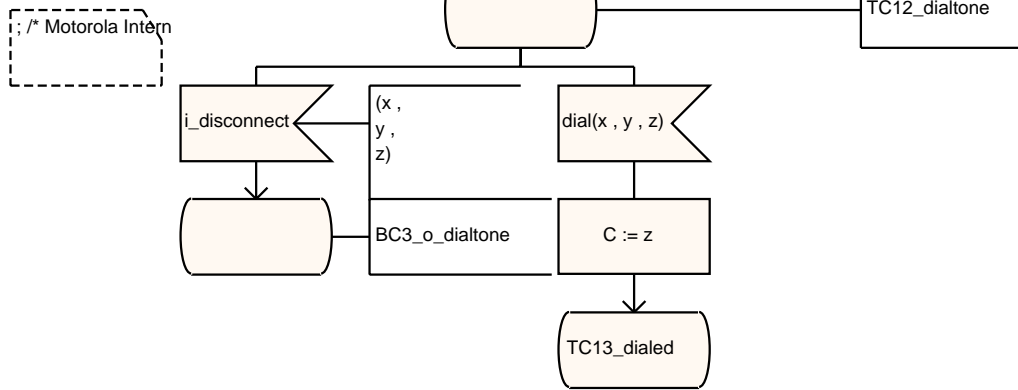


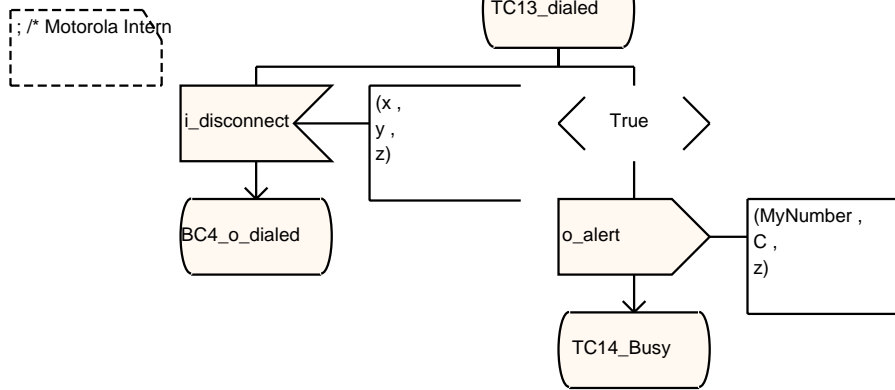




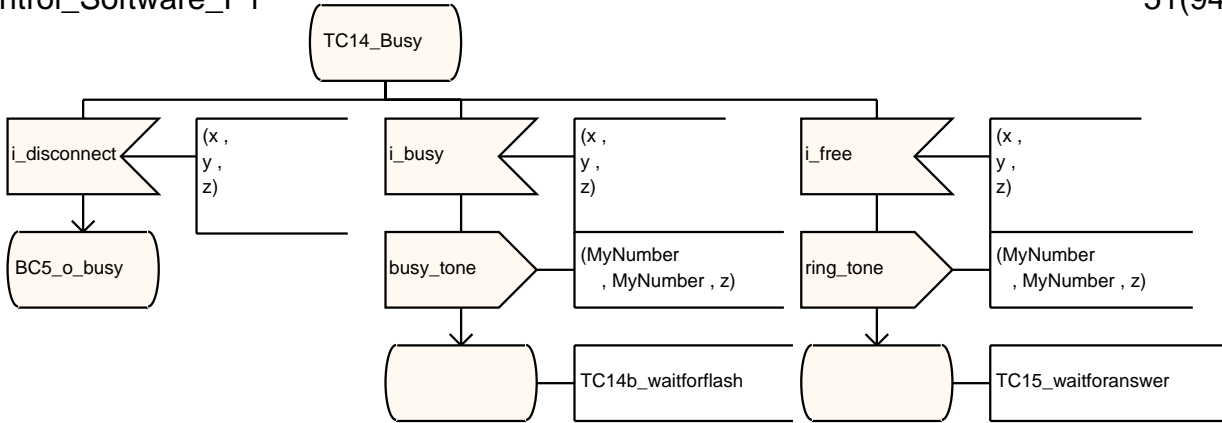
# process Control\_Software\_P1

49(94)

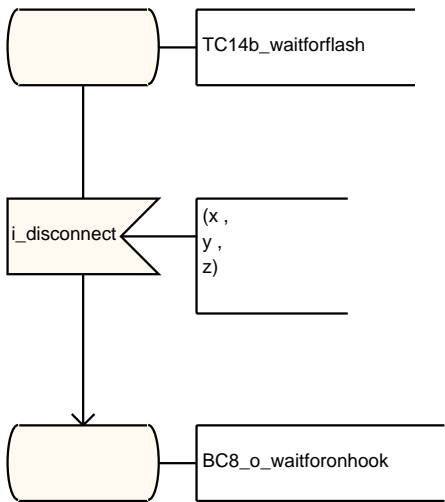




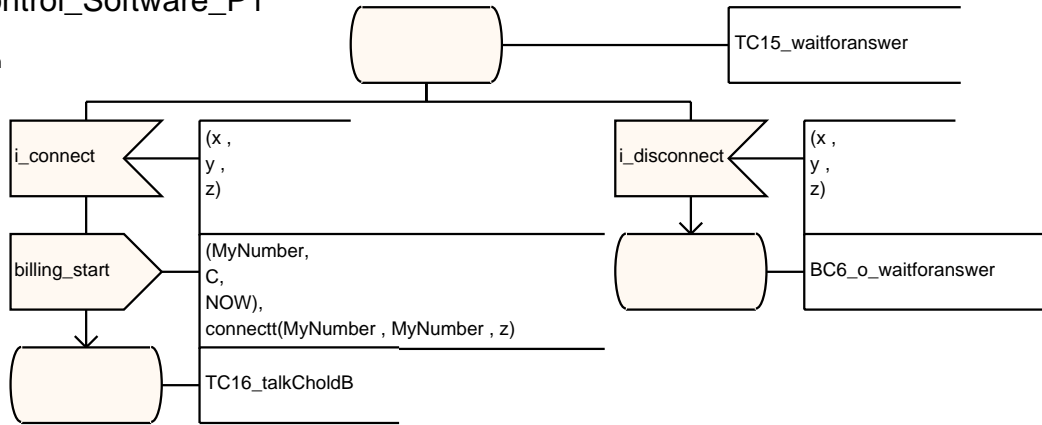
/\* Motorola Intern

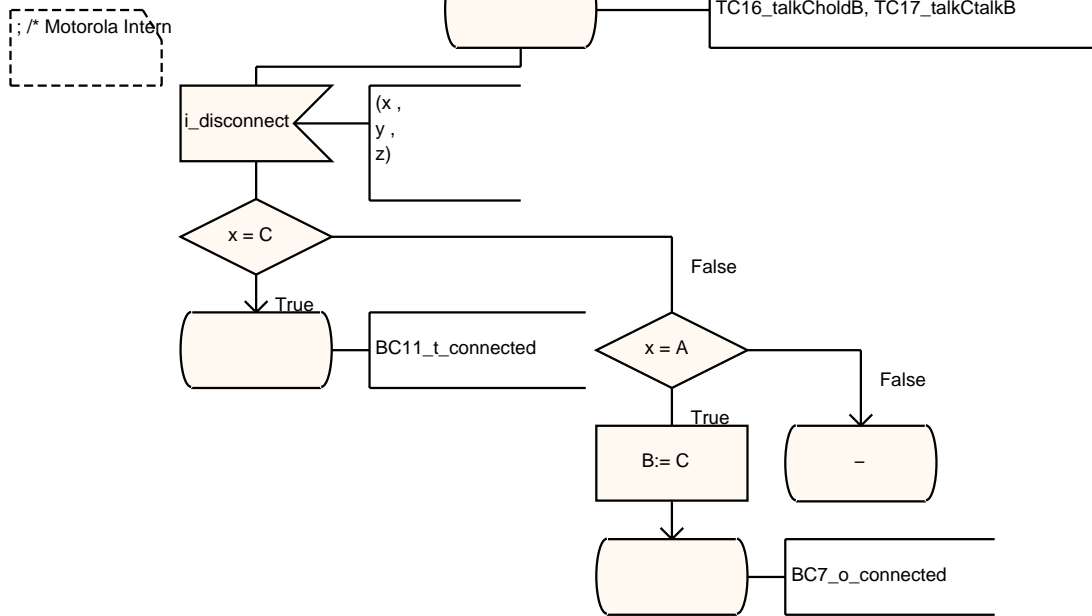


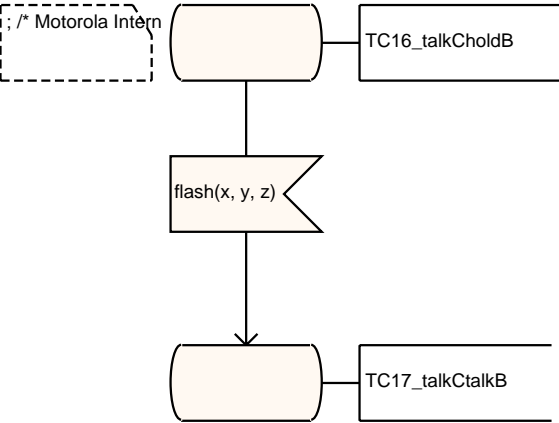
/\* Motorola Intern



/\* Motorola Intern

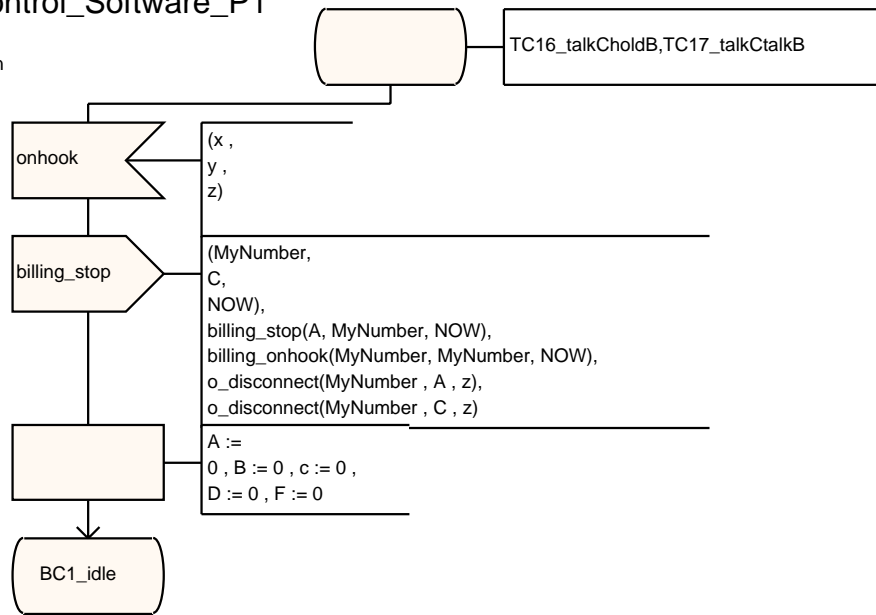




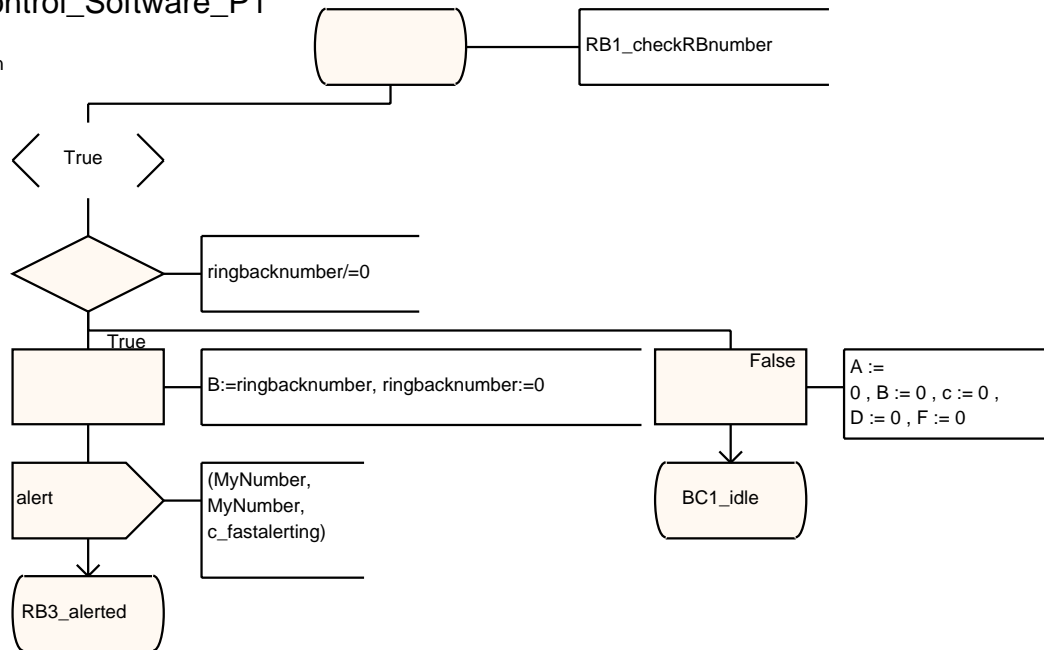




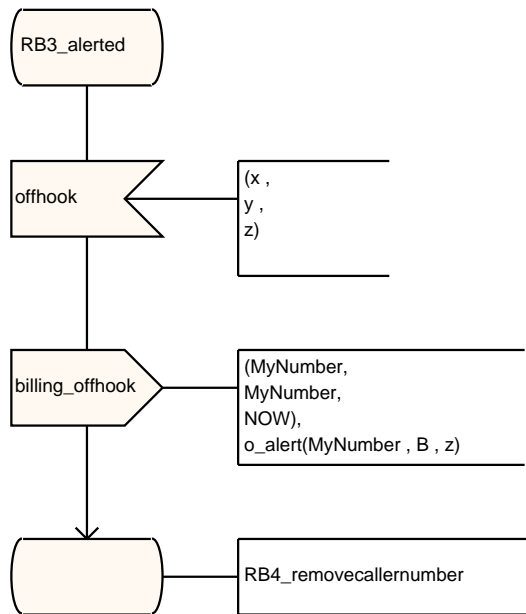
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/* Motorola Intern
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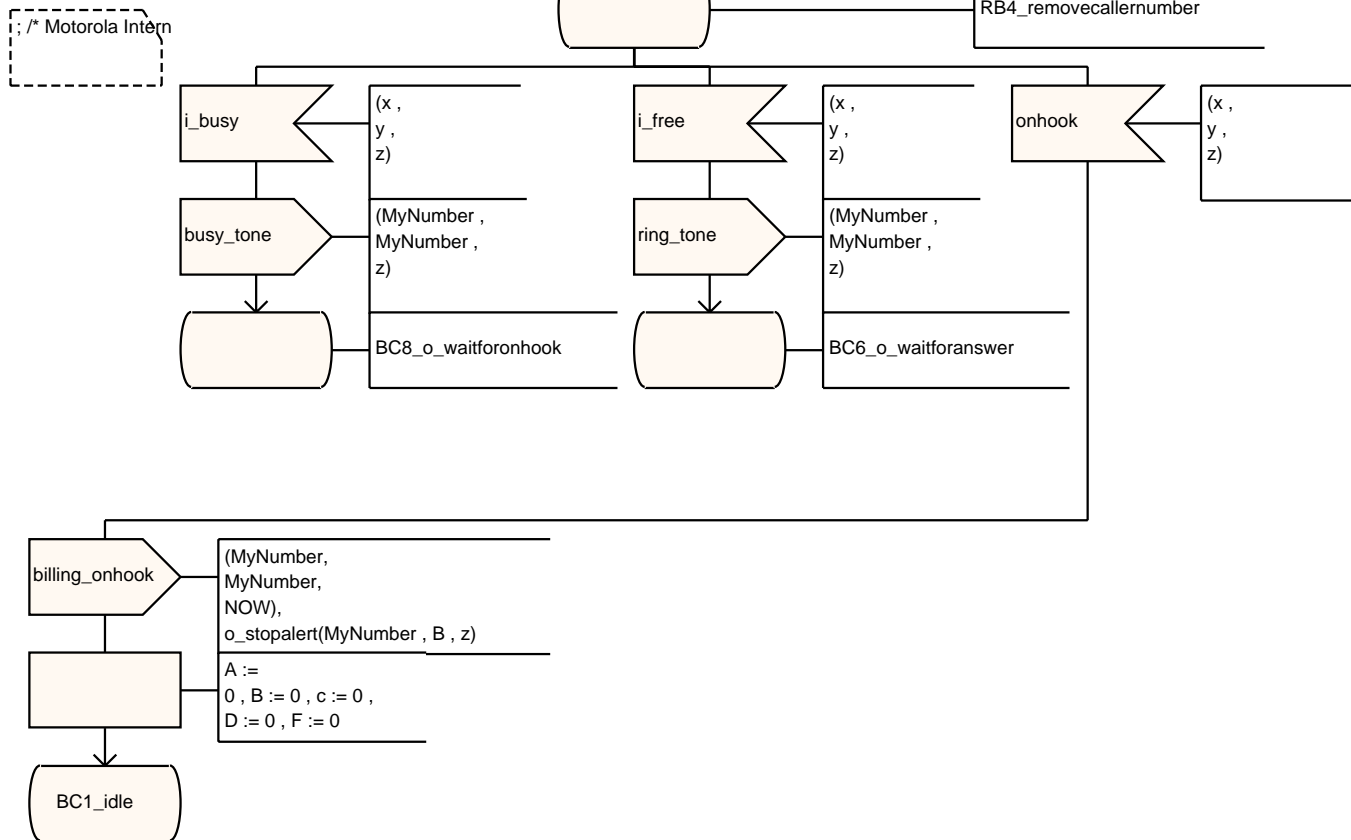


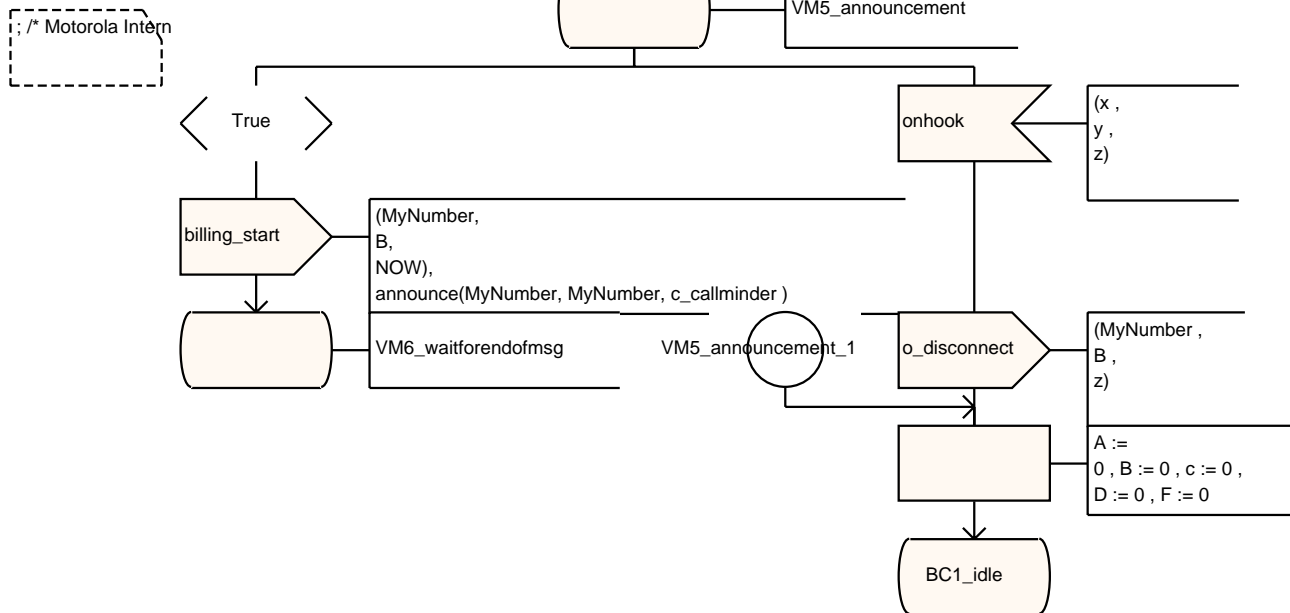
```
/* Motorola Intern
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/* Motorola Intern
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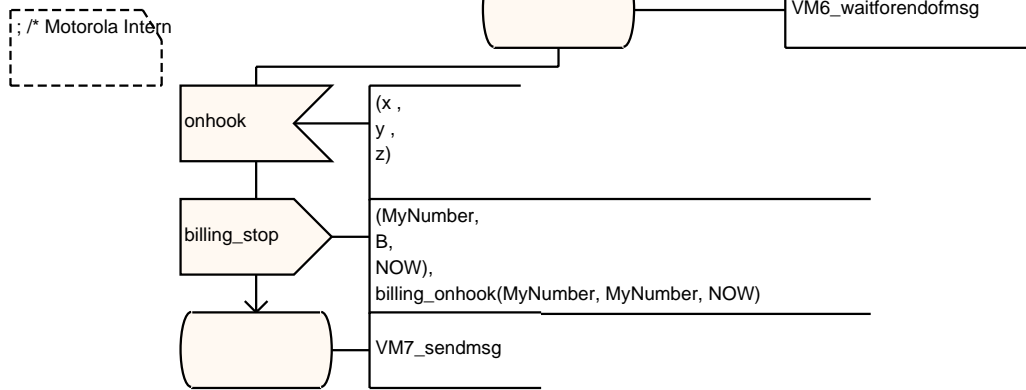


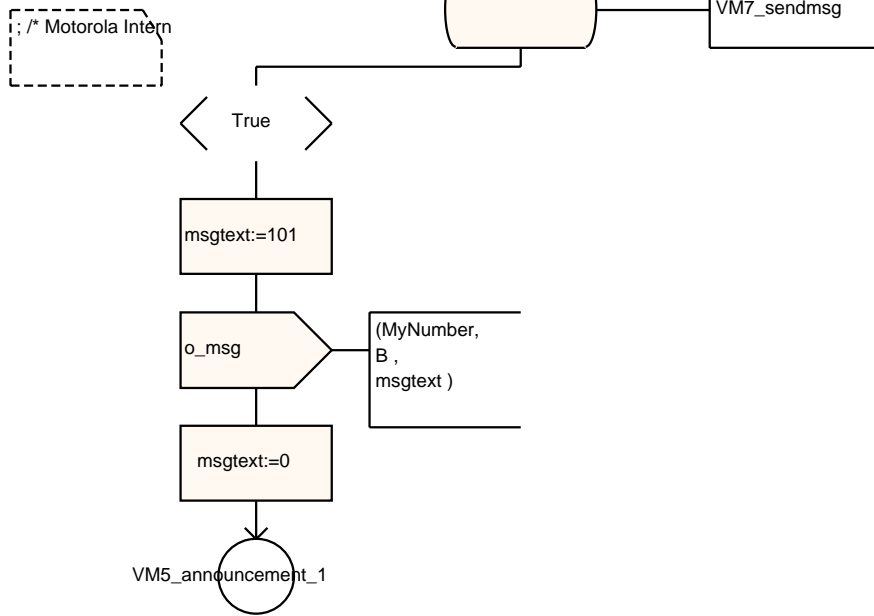


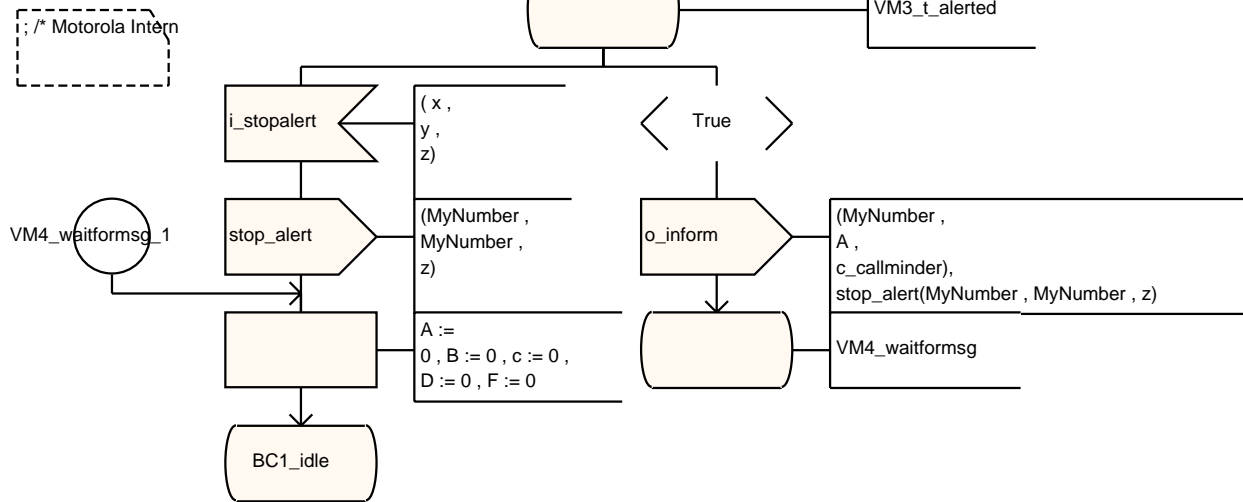


# process Control\_Software\_P1

61(94)

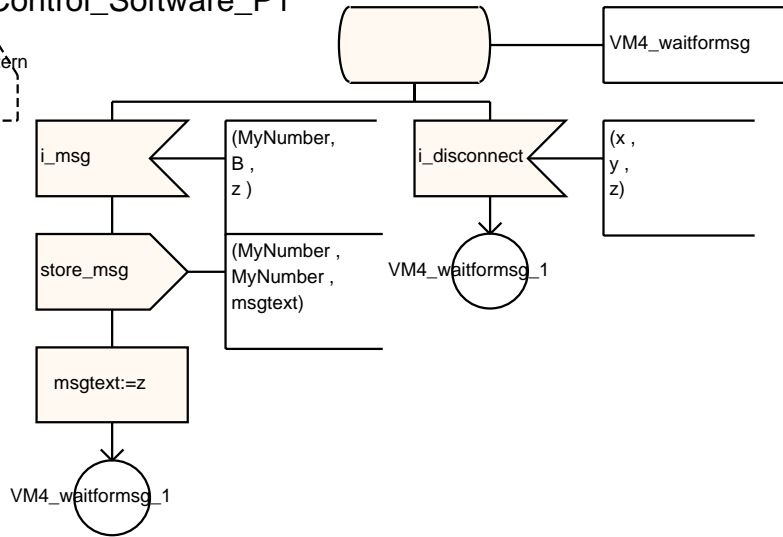






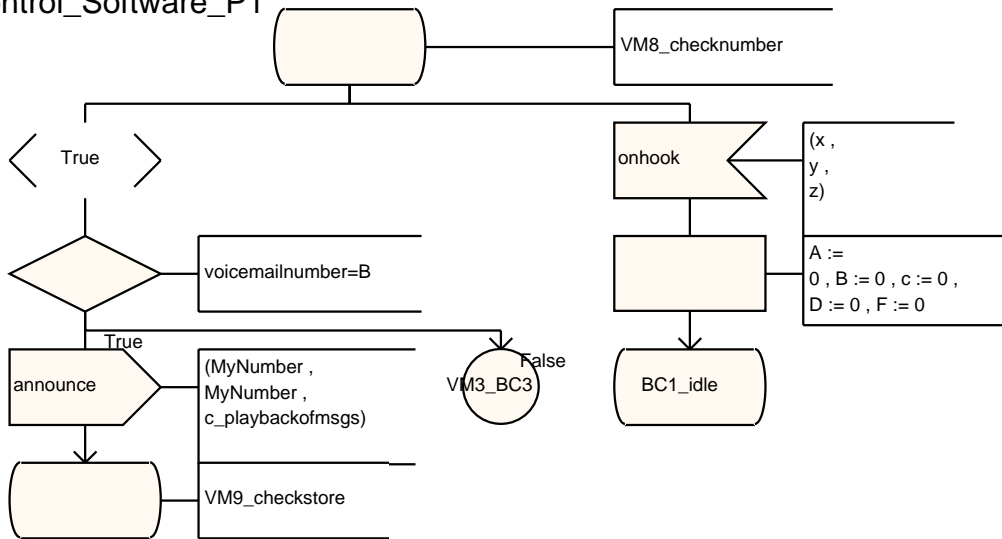


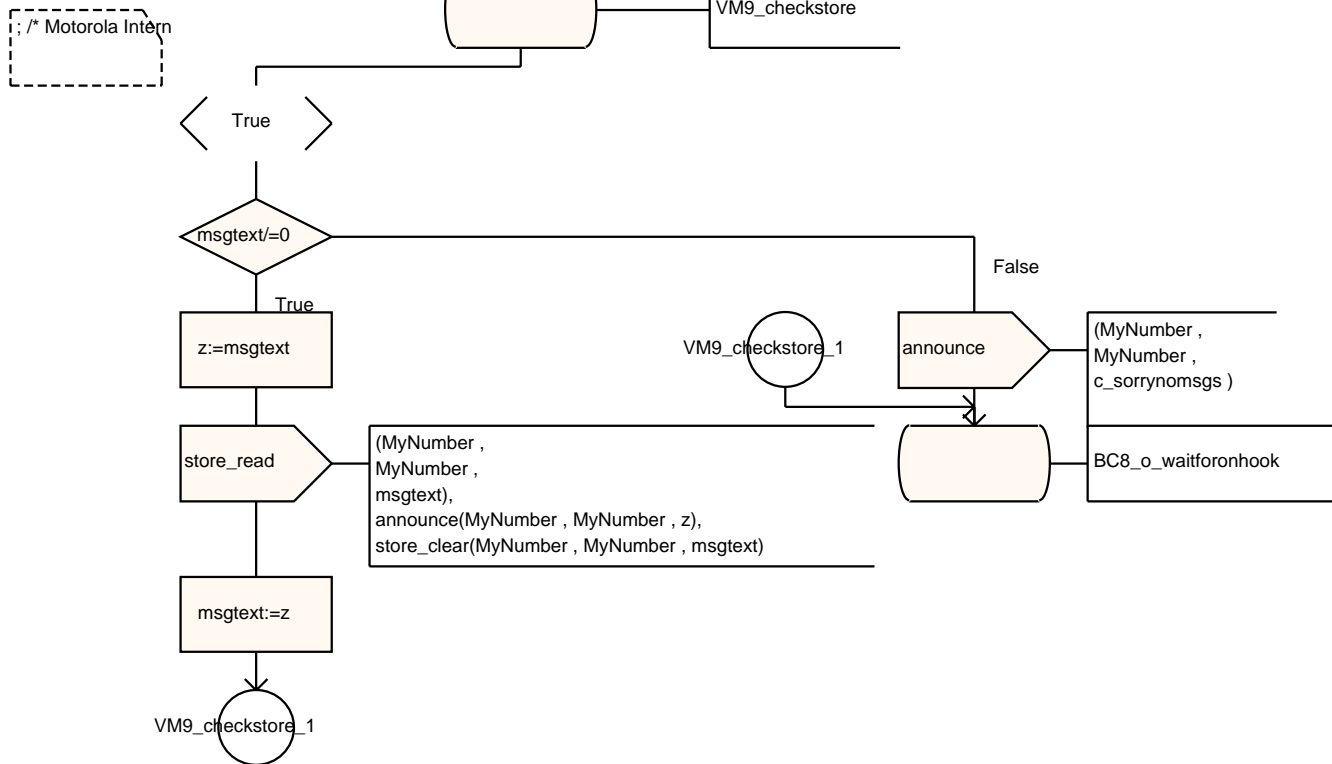
/\* Motorola Intern



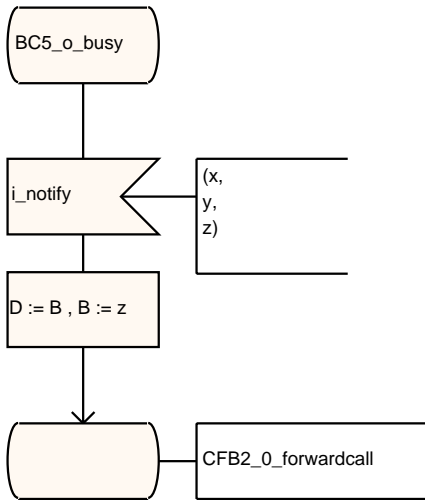
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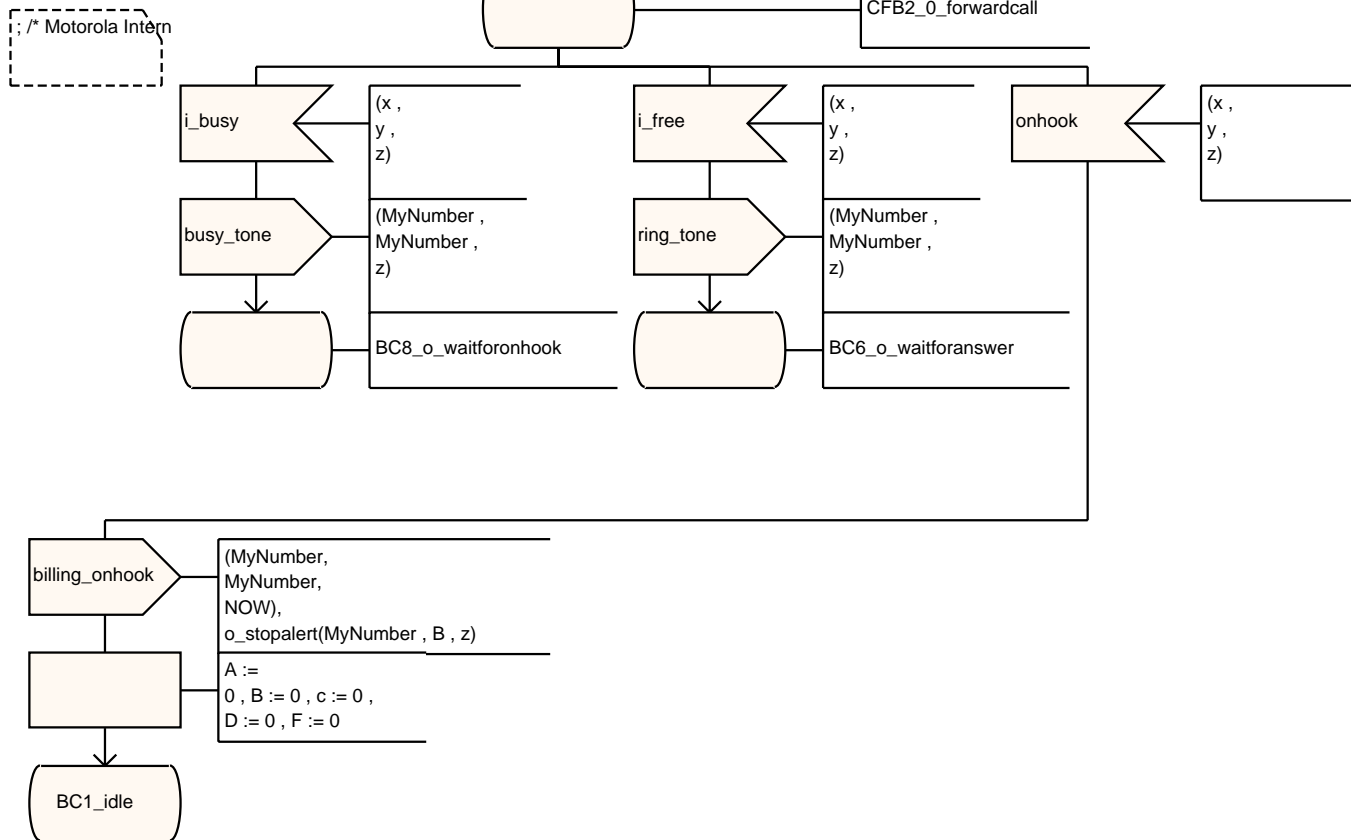
stateDiagram-v2
    [*] --> VM8_checknumber
    VM8_checknumber --> Decision1
    Decision1 -->|True| Decision2{voicemailnumber=B}
    Decision1 -->|False| VM3_BC3
    Decision2 -->|True| announce
    Decision2 -->|False| VM3_BC3
    announce --> VM9_checkstore
    VM3_BC3 --> BC1_idle
    BC1_idle --> onhook
    onhook --> Assignments["A := 0, B := 0, c := 0, D := 0, F := 0"]
    onhook -->|"(x, y, z)"| onhook
  
```

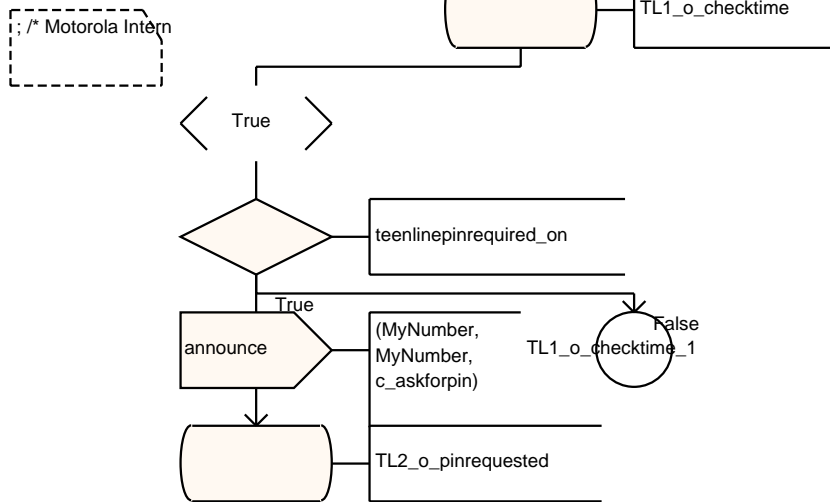




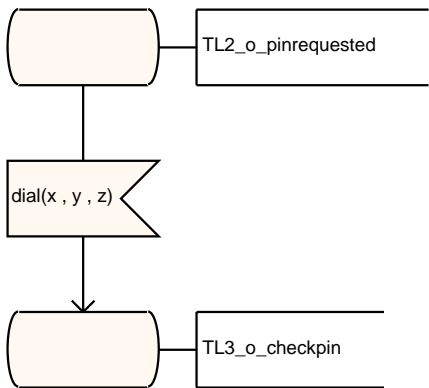
/\* Motorola Intern

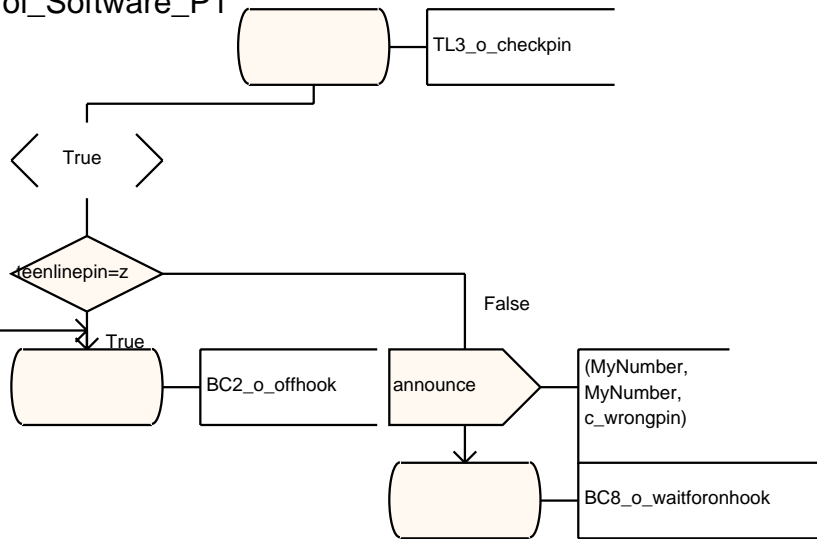






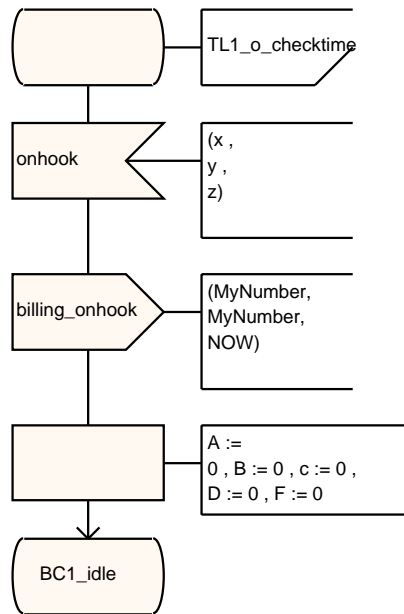
/\* Motorola Intern



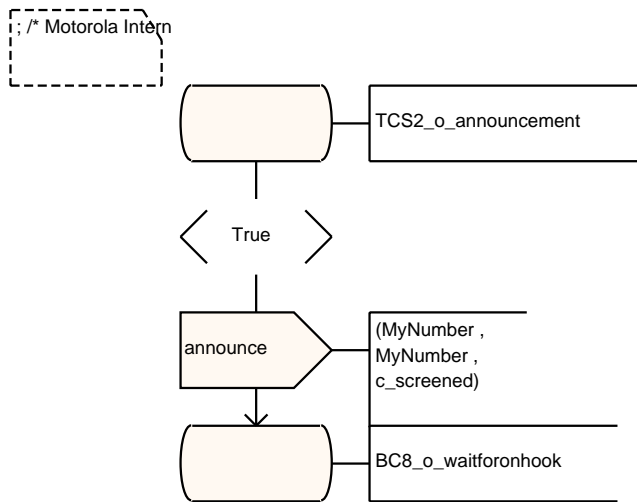




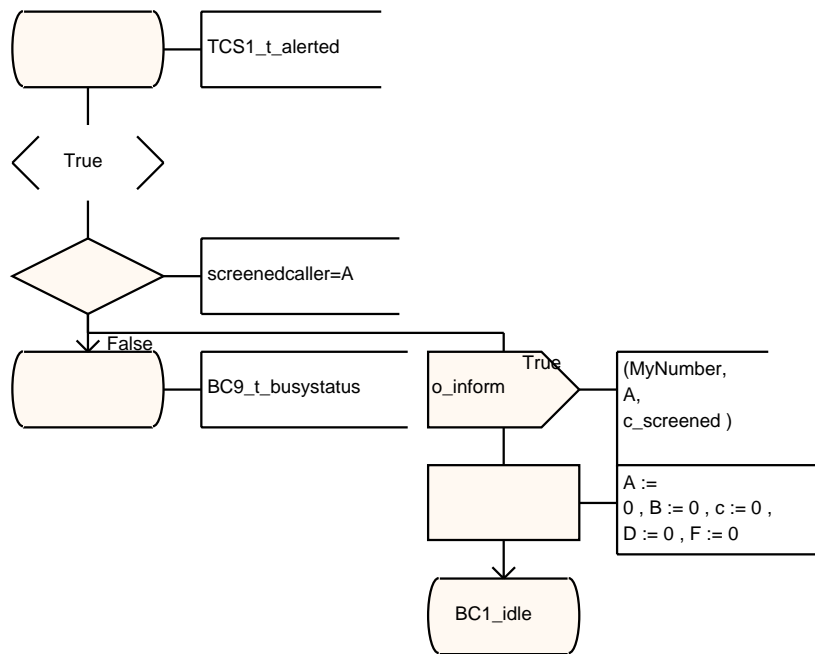
```
/* Motorola Intern
```



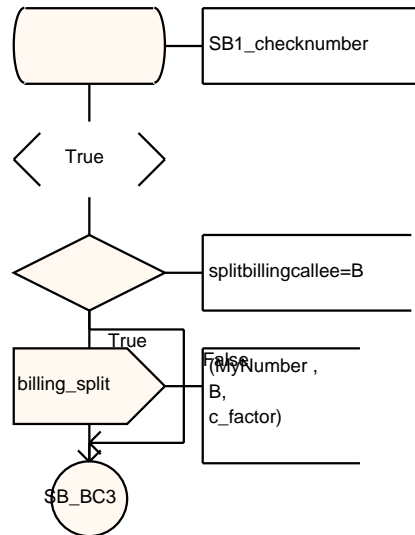
TL1\_o\_checktime, TL2\_o\_pinrequested, TL3\_o\_checkpin



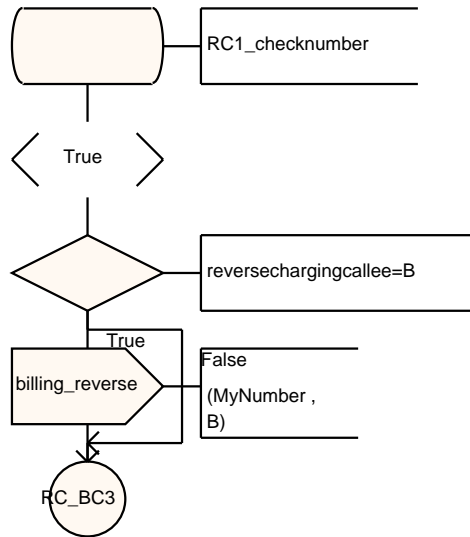
```
/* Motorola Intern
```



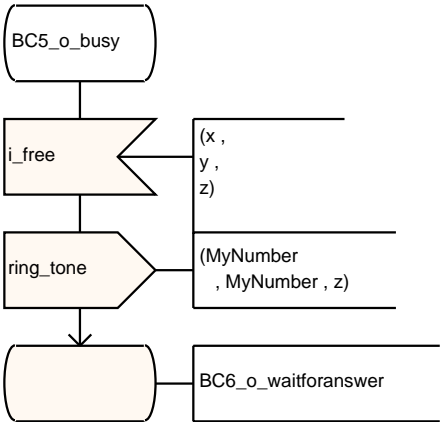
```
/* Motorola Intern
```



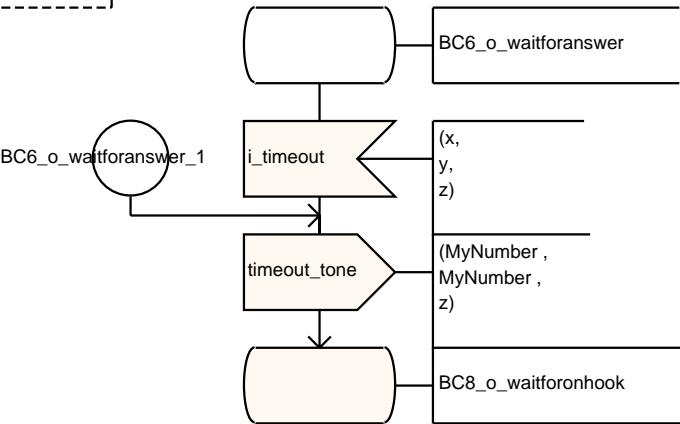
```
/* Motorola Intern
```



/\* Motorola Intern

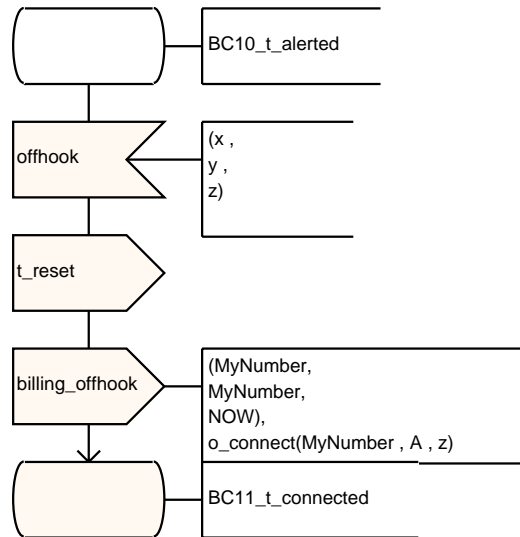


/\* Motorola Intern

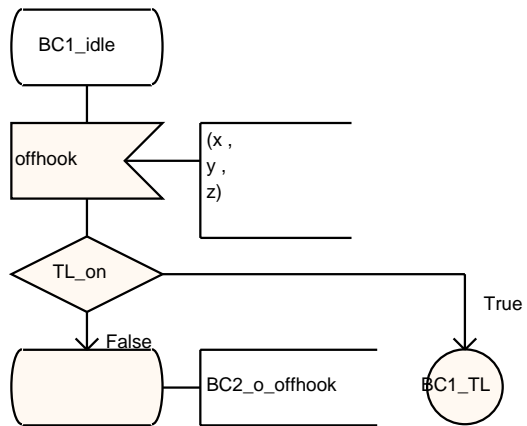




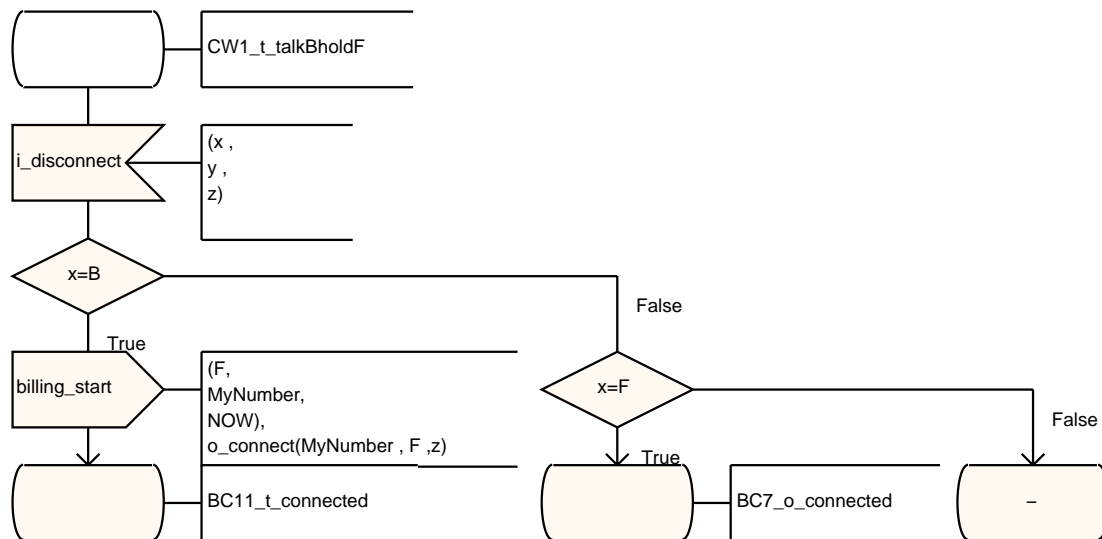
```
/* Motorola Intern
```



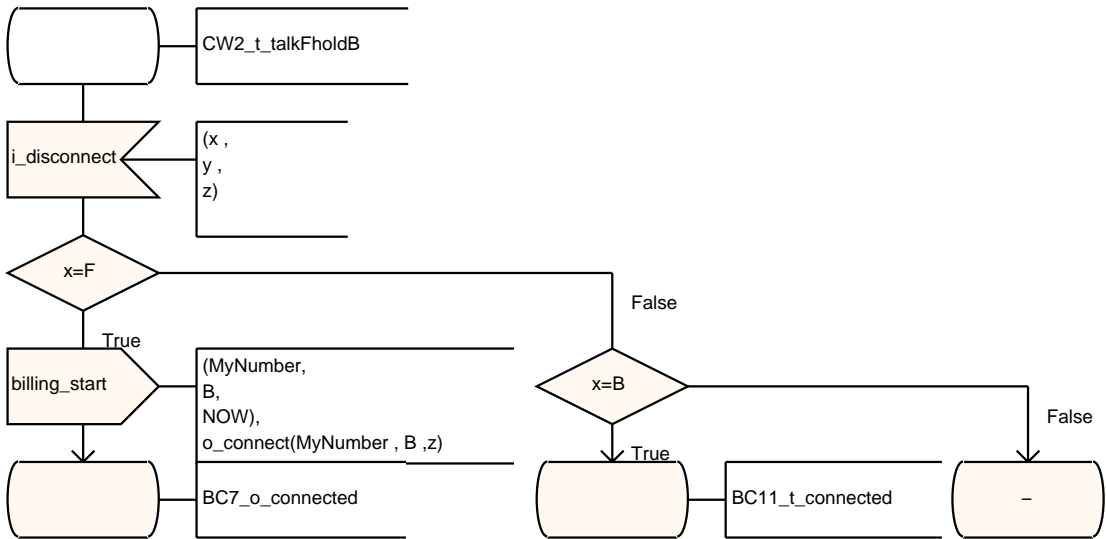
```
/* Motorola Intern
```



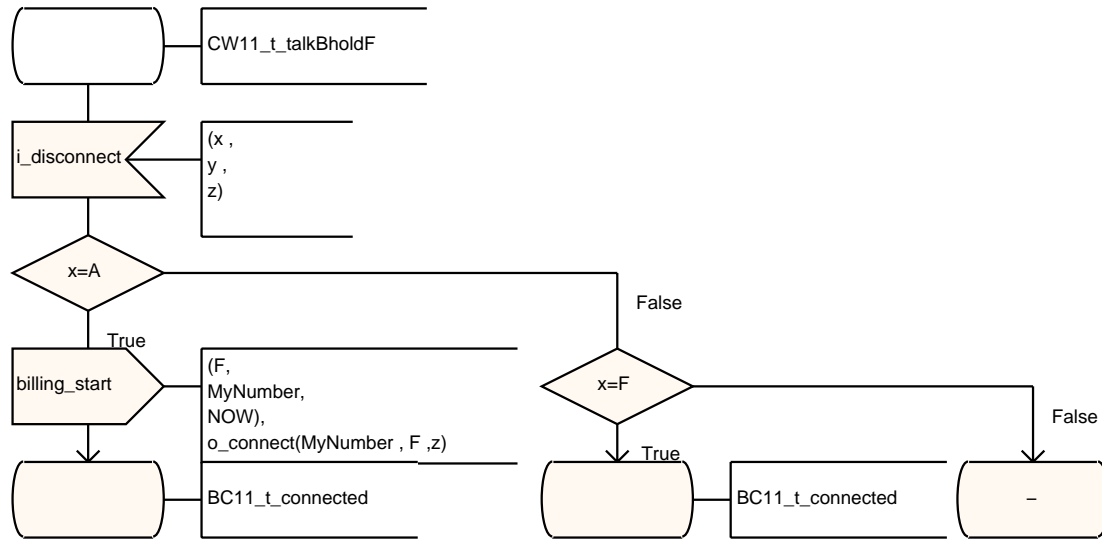
```
/* Motorola Intern
```



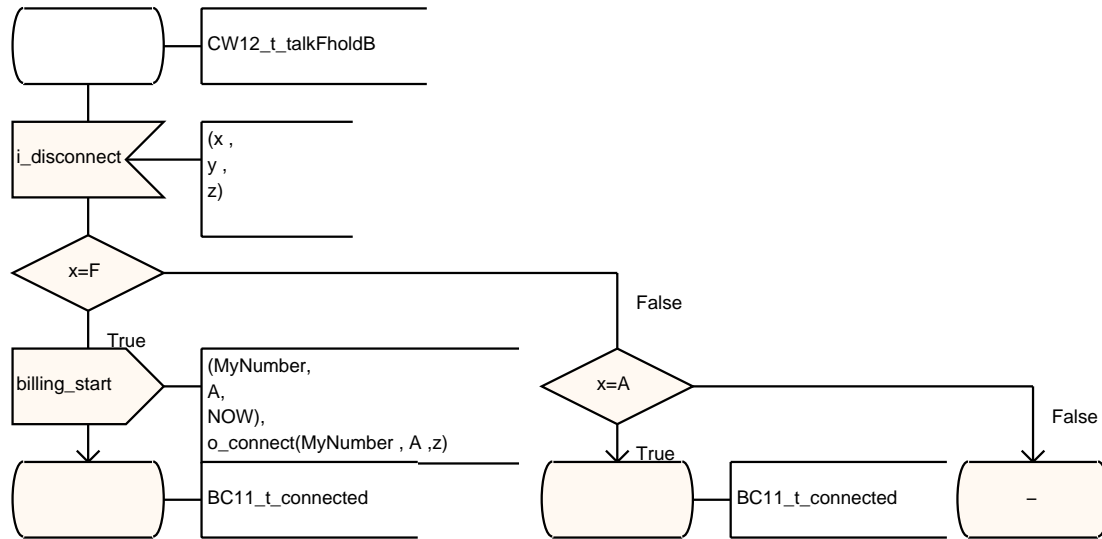
/\* Motorola Intern



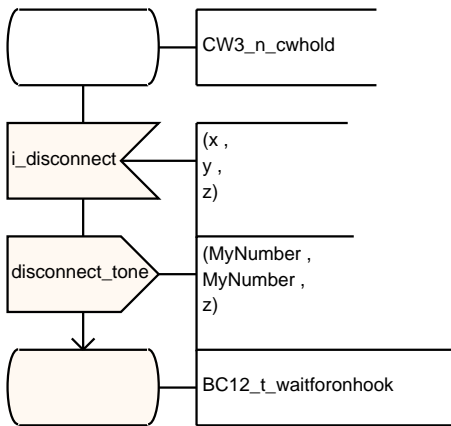
```
/* Motorola Intern
```



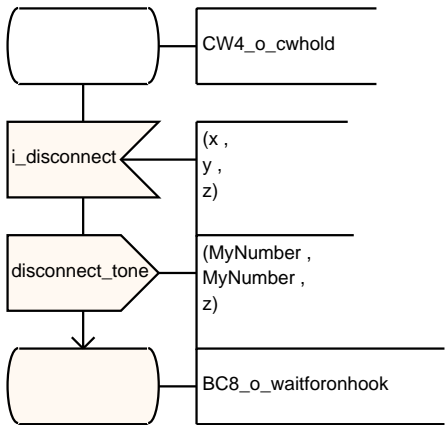
```
/* Motorola Intern
```



/\* Motorola Intern

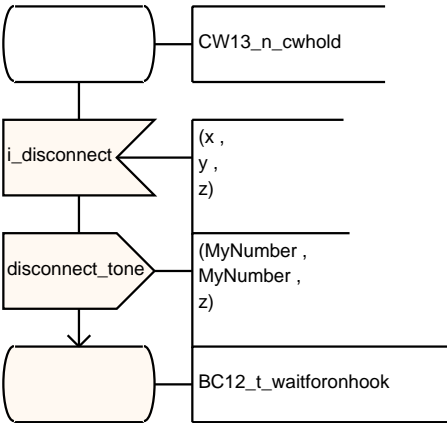


;/\* Motorola Intern

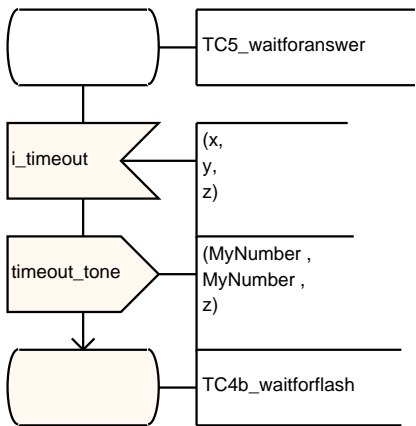


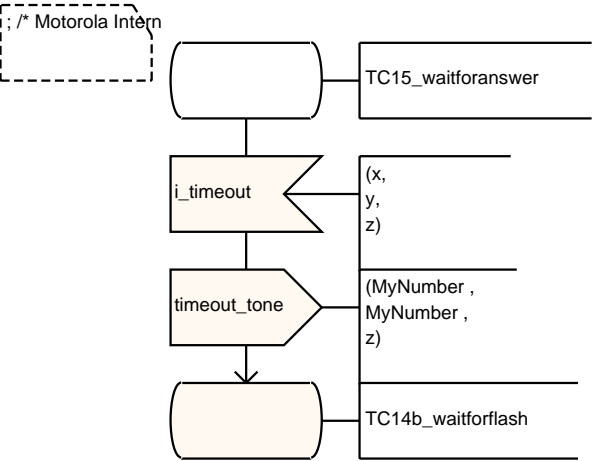


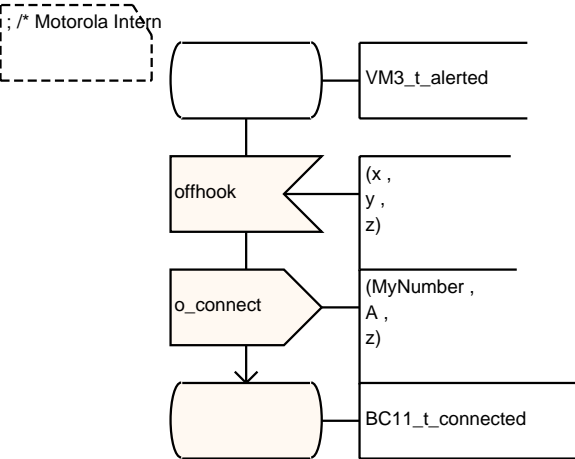
/\* Motorola Intern



/\* Motorola Intern



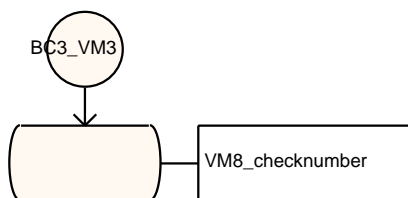
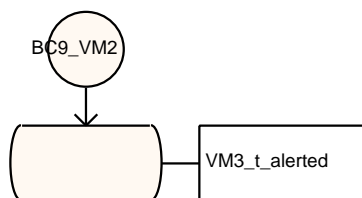
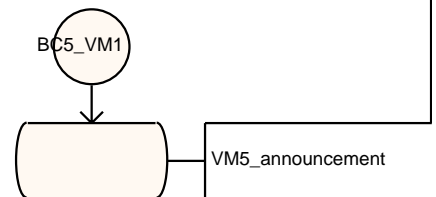
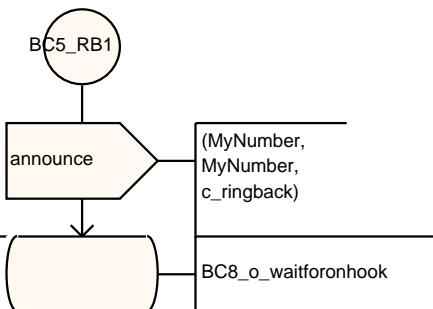
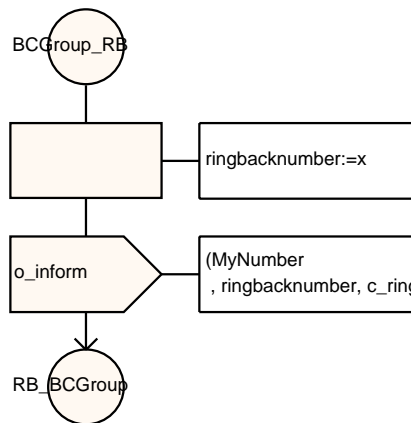
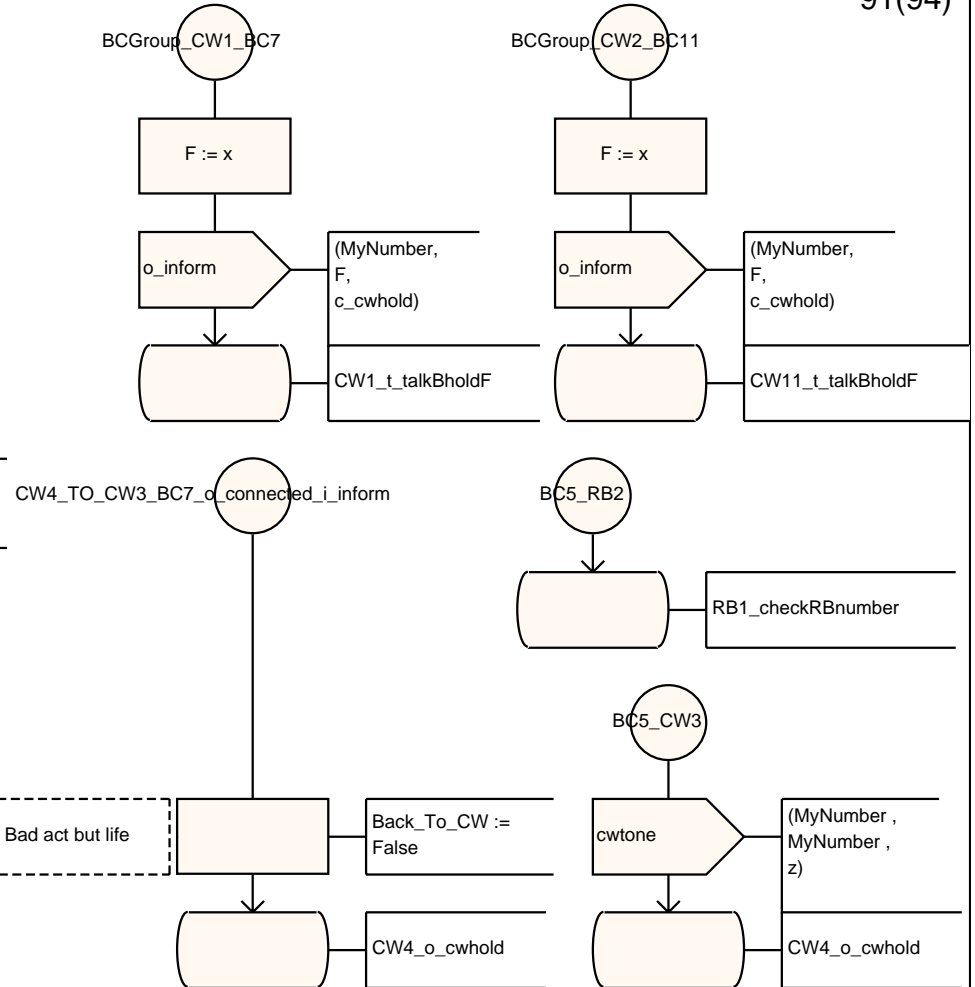
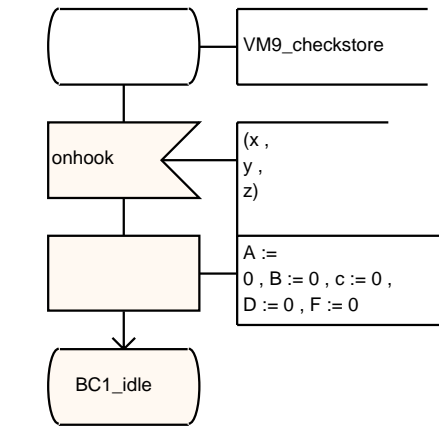




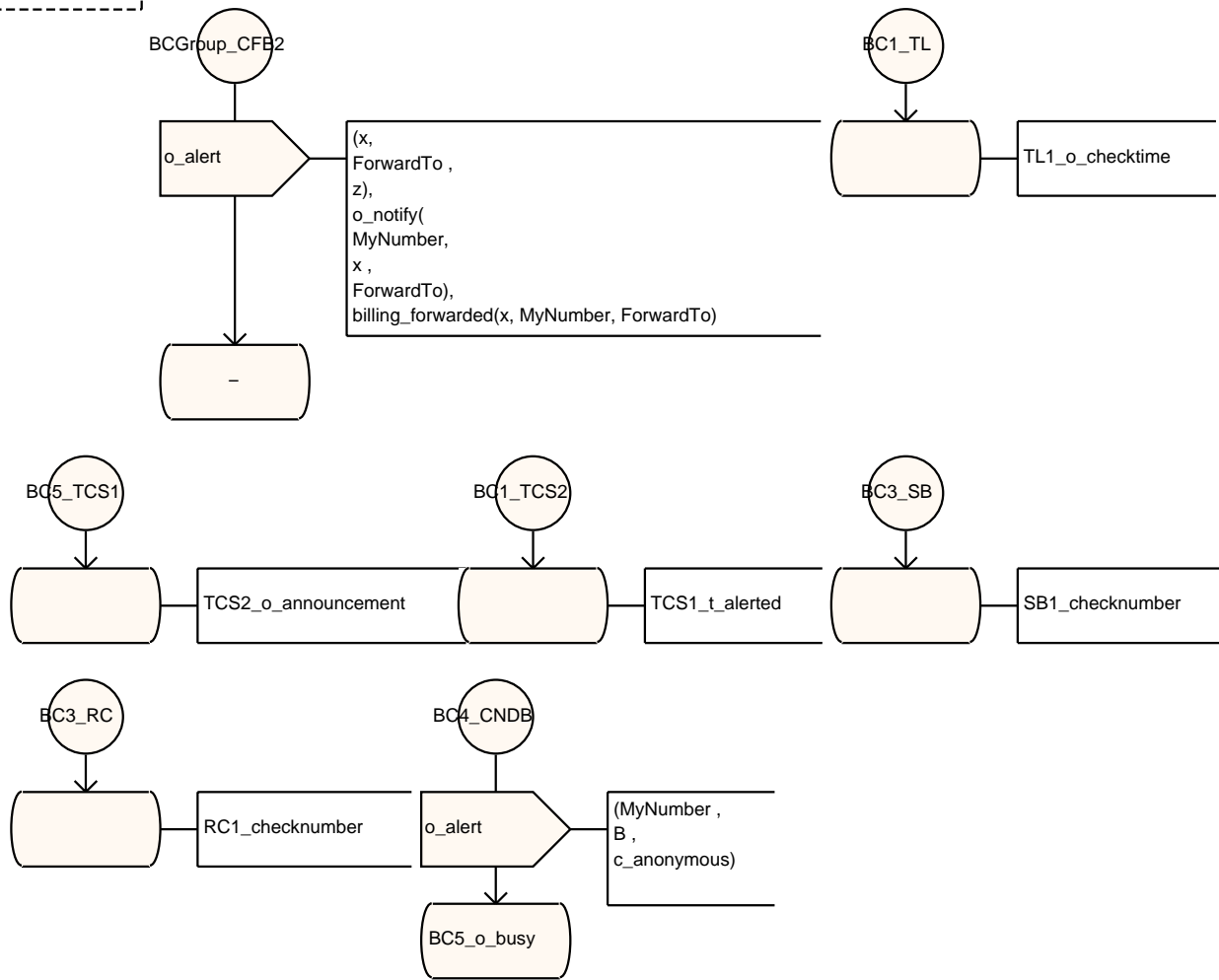
```
/* Motorola Internal
```

BCGroup\_CW1\_BC7

BCGroup\_CW2\_BC11



```
/* Motorola Intern
```

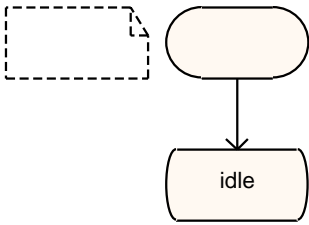




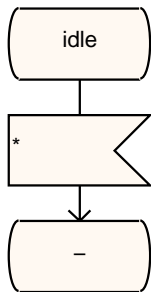
Billing\_Ch

[(Control\_Software\_to\_Billing\_Messages)]

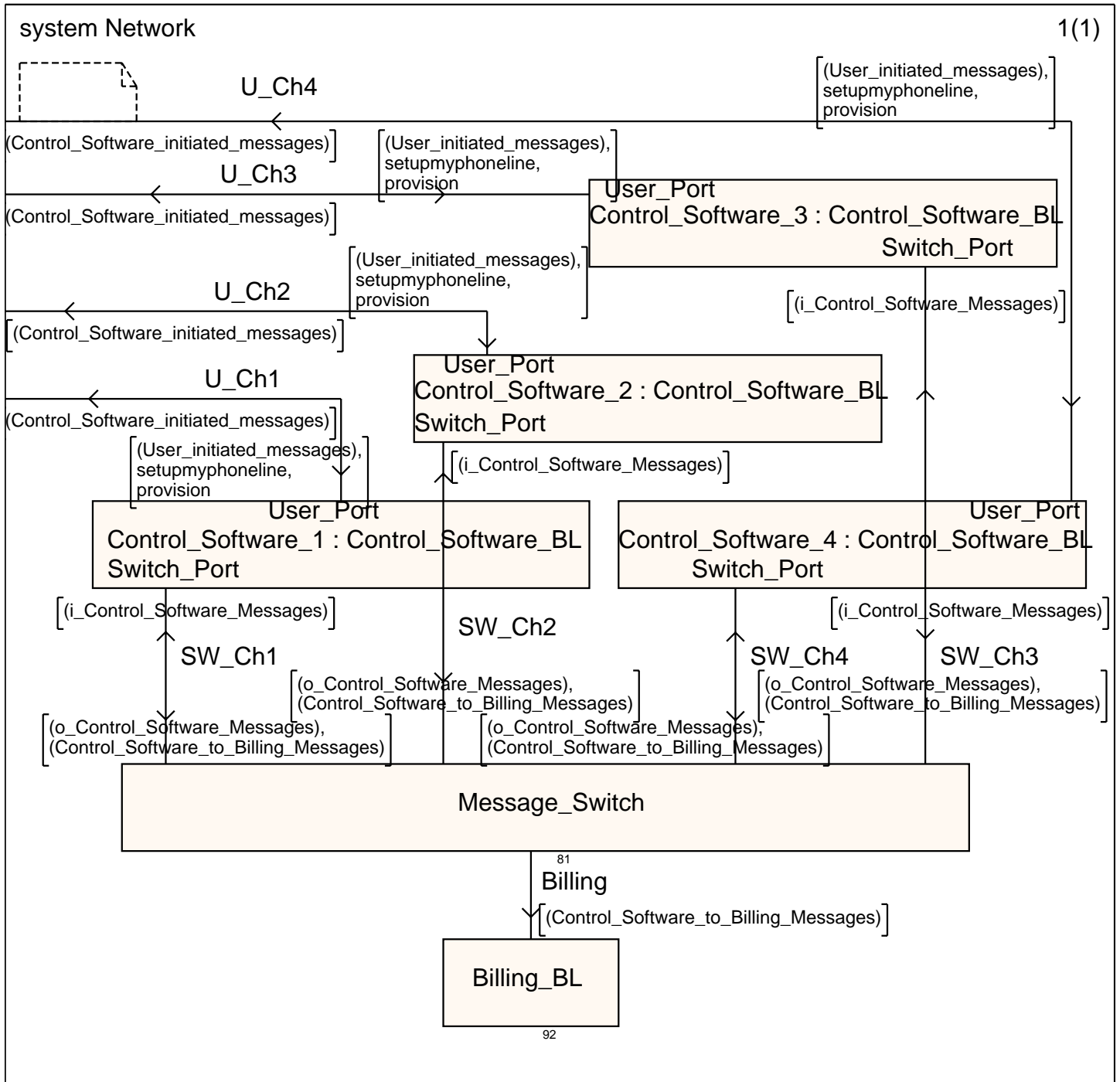
Billing\_P (1, 1)

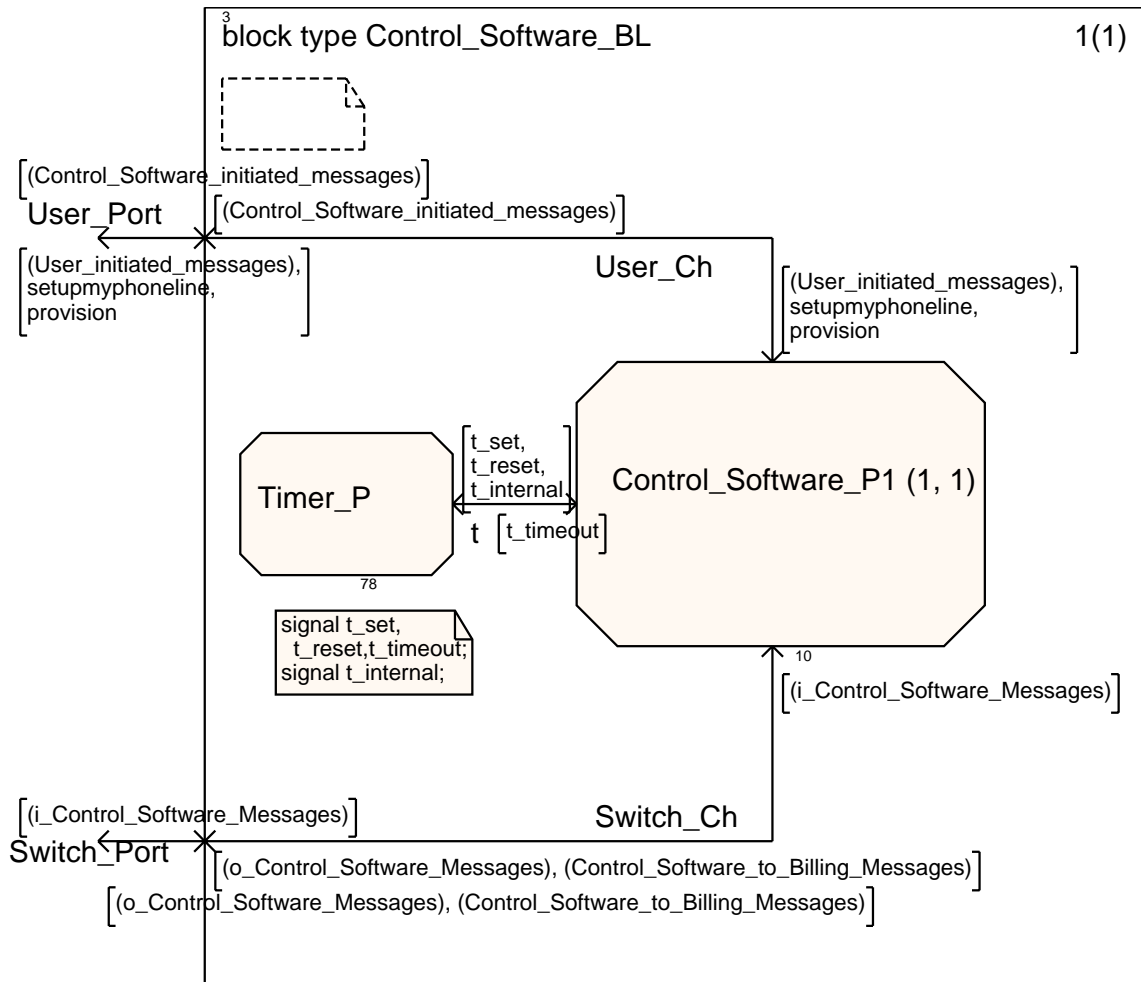




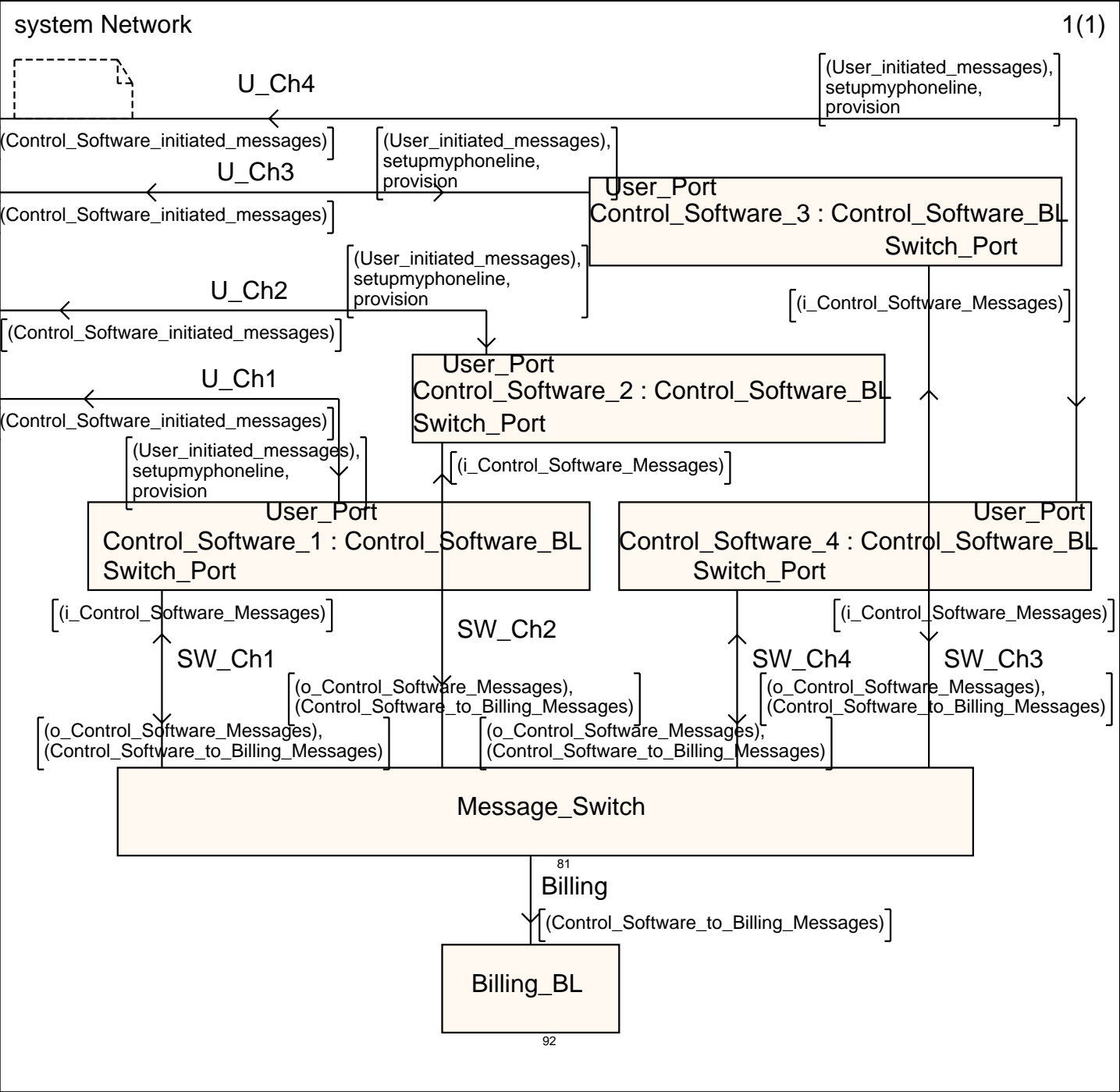


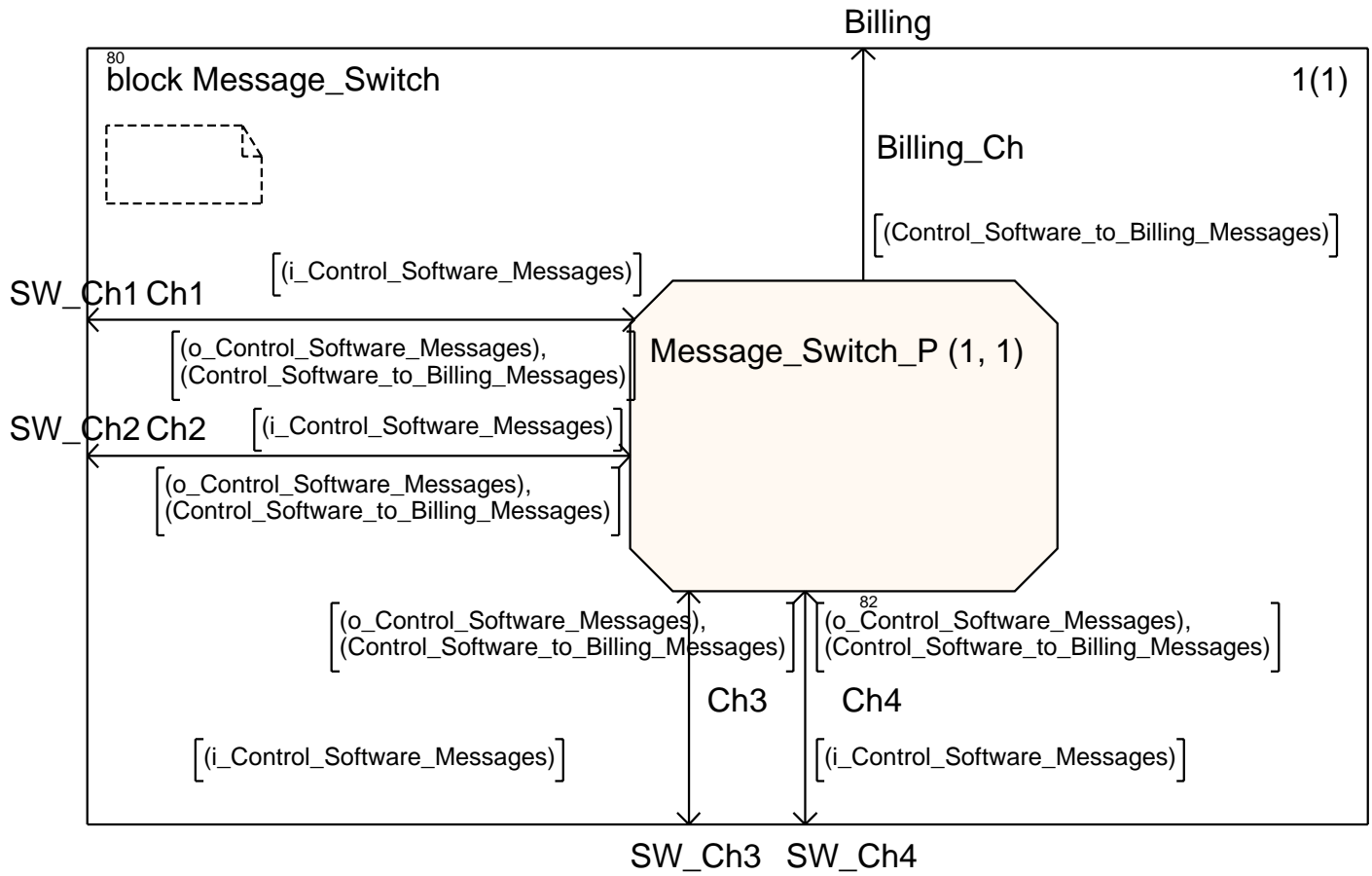
```
use Control_Software_PK;
```





```
use Control_Software_PK;
```





## process Message\_Switch\_P

1(5)

```

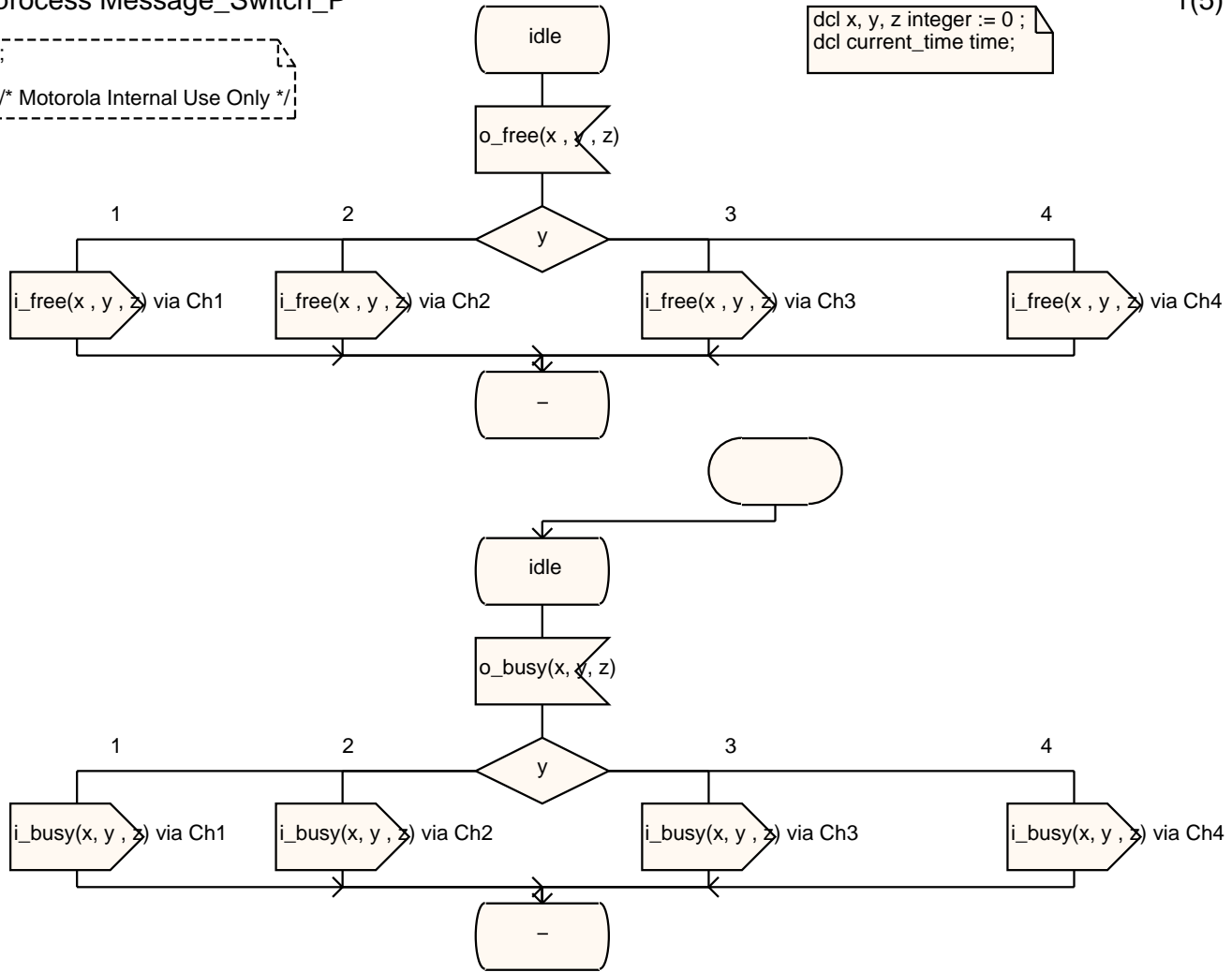
;
/* Motorola Internal Use Only */
;

```

```

dcl x, y, z integer := 0 ;
dcl current_time time;

```



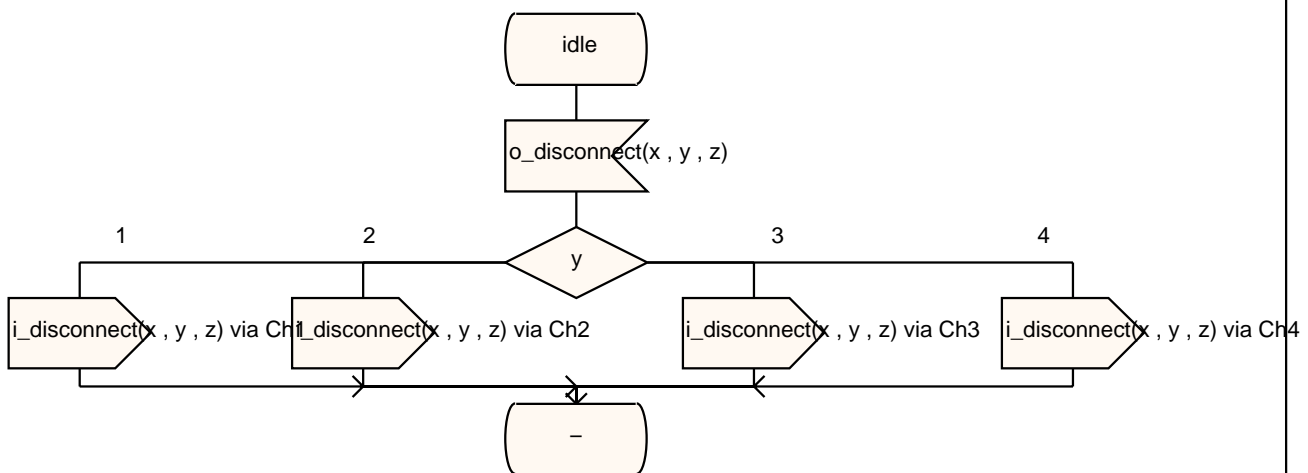
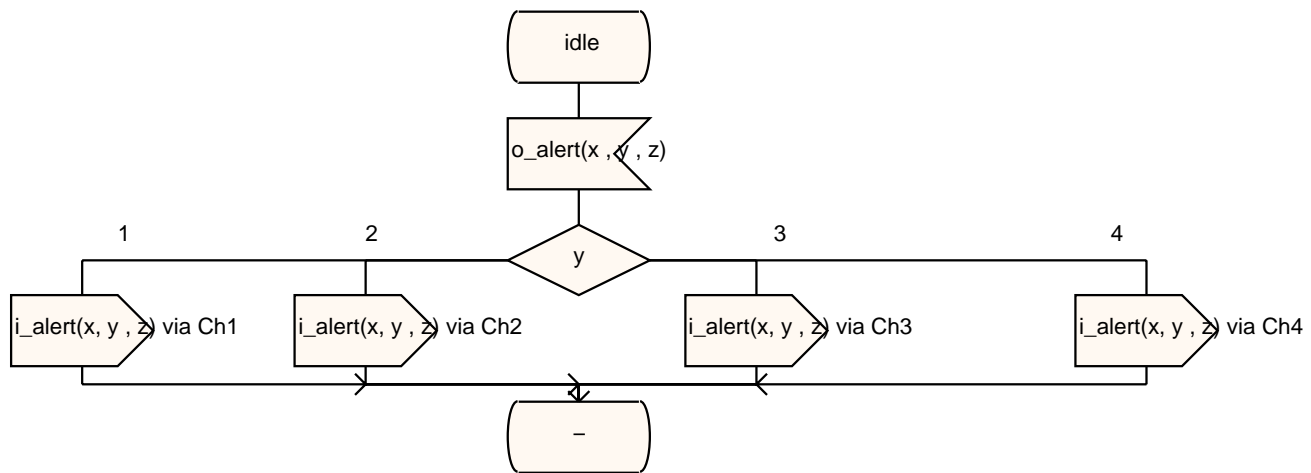
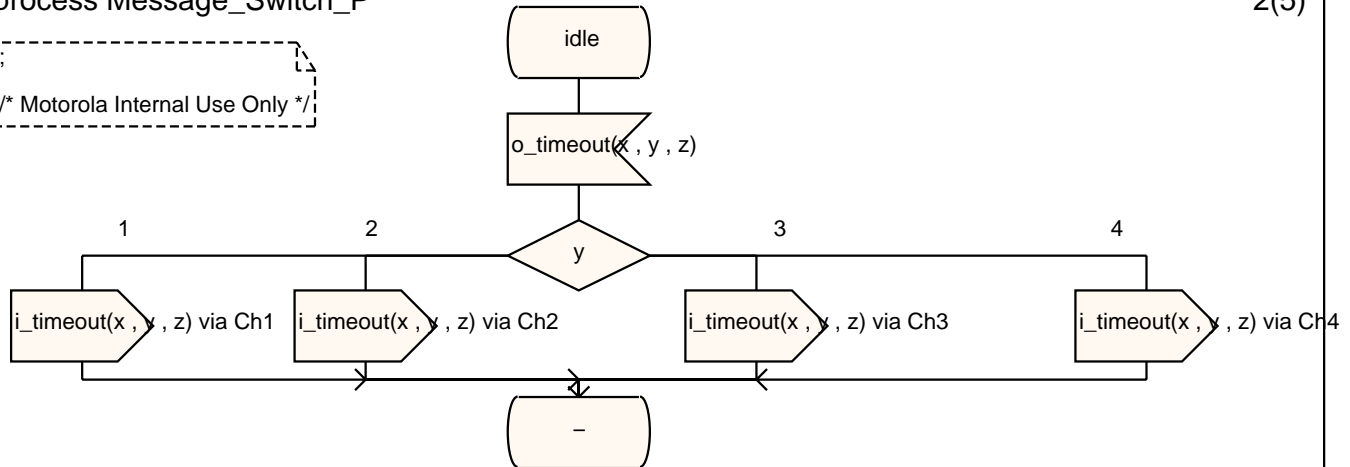
## process Message\_Switch\_P

2(5)

```

;
/* Motorola Internal Use Only */

```



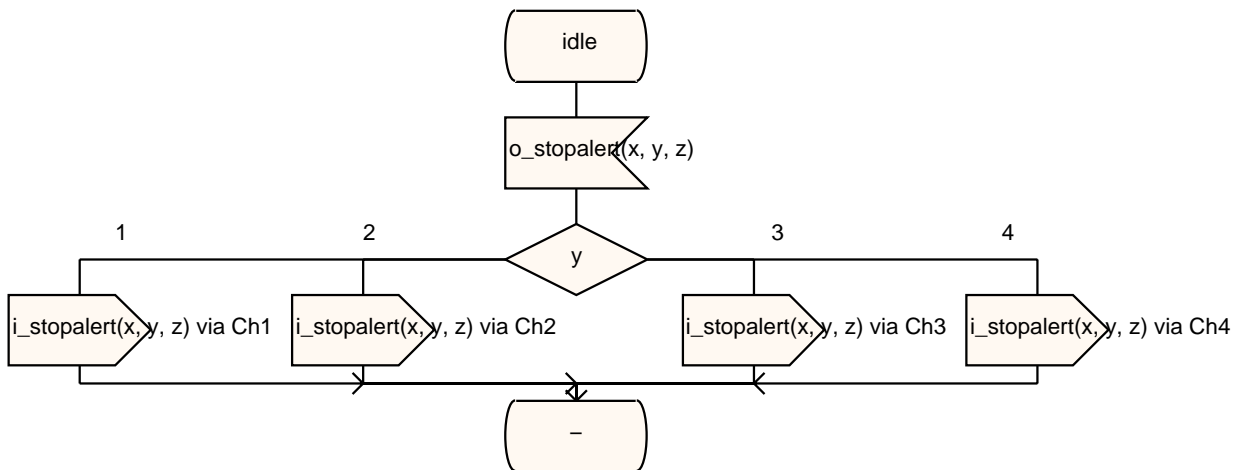
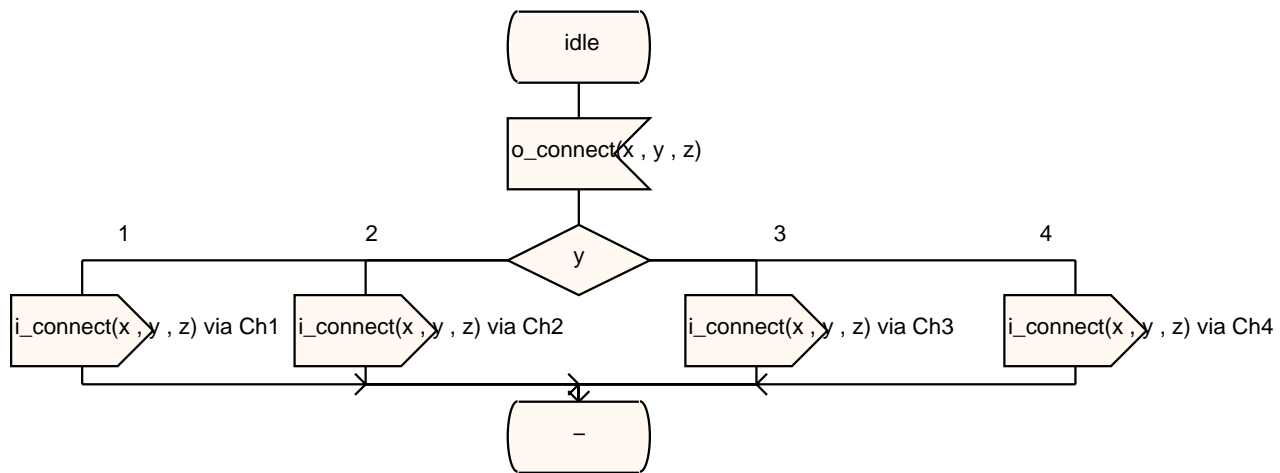
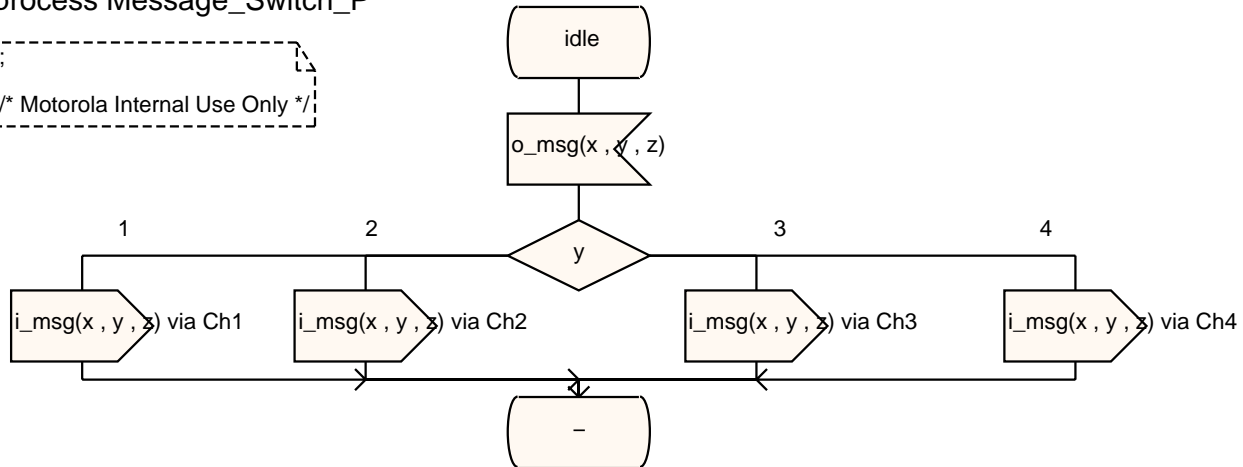
## process Message\_Switch\_P

3(5)

```

/* Motorola Internal Use Only */

```

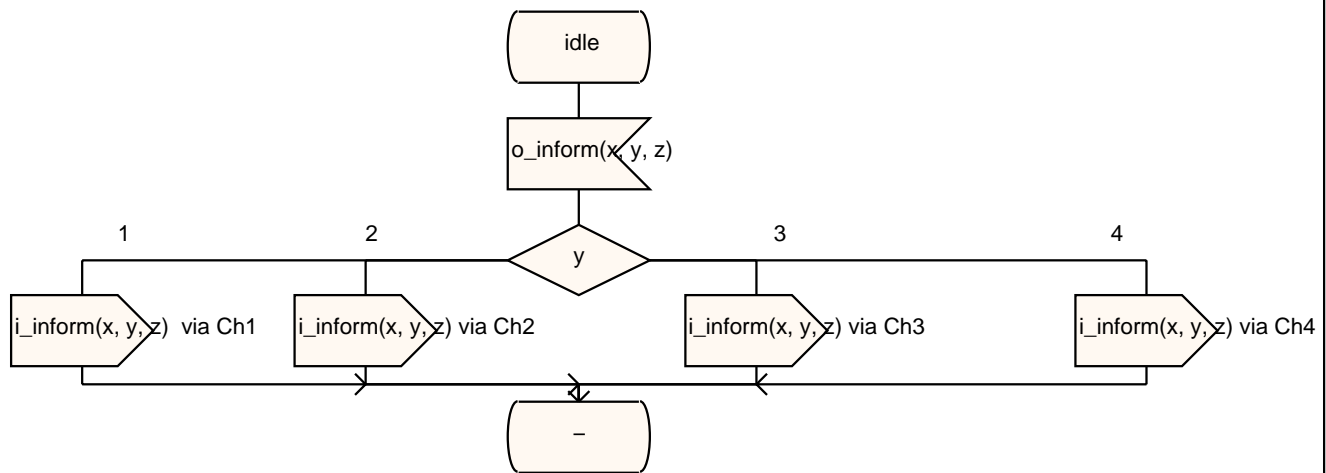
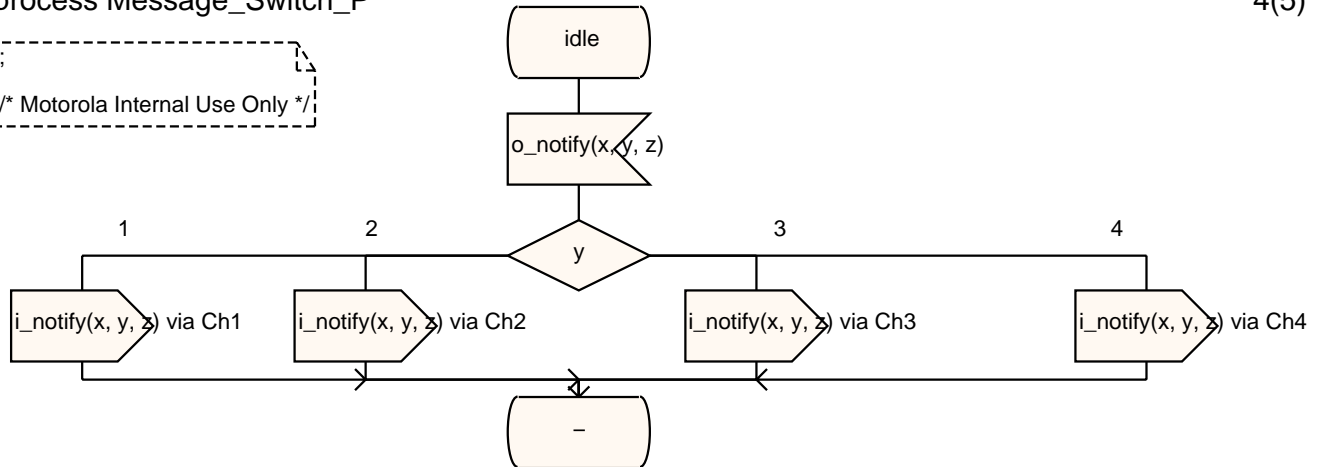




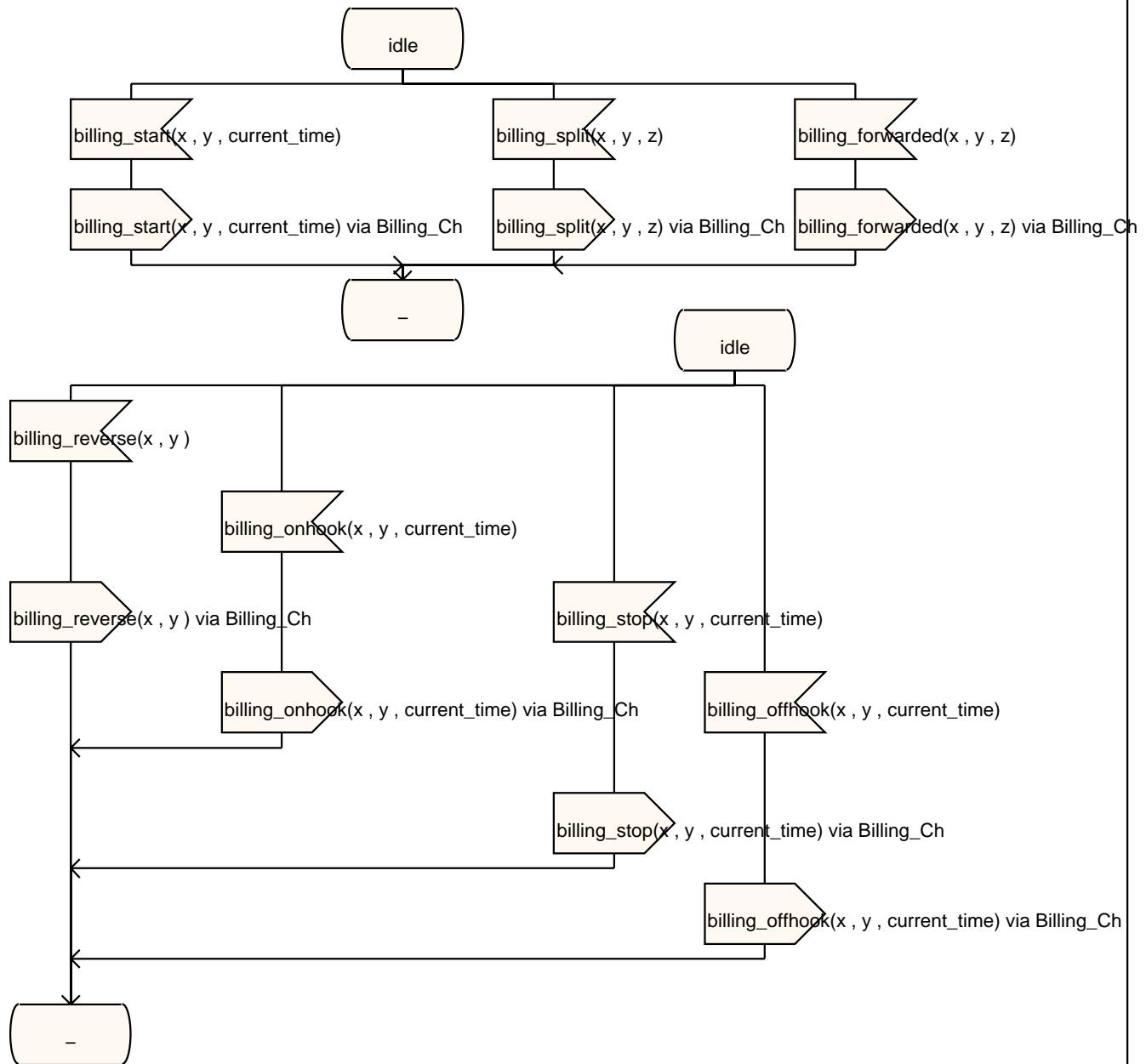
## process Message\_Switch\_P

4(5)

```
/* Motorola Internal Use Only */
```



/\* Motorola Internal Use Only \*/



dcl t\_count integer;

