

MYPGM	CSECT		
	USING	*, 15	Reg. 15 contains entrypoint addr. used as base reg
SAVEREGS	STM	14, 12, 12(13)	Save callers regs 14, 15, 0-12 in his savearea
	LR	14, 13	Save higher savearea addr. to reg 14
	CNOP	0, 4	Align to word boundary
	BAL	13, LINKAGE	Load addr. of own savearea to reg 13
	USING	*, 13	and use it as base register
SAVEAREA	DS	18F	Define 18 fullwords own savearea
LINKAGE	ST	13, 8(14)	Store own SA-addr. to callers lower SA-pointer
	ST	14, 4(13)	Store callers SA-Addr. to own higher SA-pointer
	LR	3, 1	Save callers parameter List Addr. to Reg 3
	USING	CALLERPM, 3	
READY	EQU	*	Linkage done
	.		
	.		
	.	Program Code	
	.		
CALLSUB	LA	1, PARMLIST	Load addr of parameters for subroutine in Reg 1
	L	15, =V(SUBROUT)	Load addr of subroutine to reg 15
	BALR	14, 15	Jump to addr in reg 15 store return addr in reg 14
	.		
	.		
	.	Program Code	
	.		
RETURN	EQU	*	Return linkage
	L	13, 4(13)	Get higher SA-addr to reg 13
	LM	14, 12, 12(13)	Restore callers regs 14, 15, 0-12 from his savearea
	XR	15, 15	Set return code to zero
	BR	14	Return to caller
PARMLIST	DC	....	Parameter values
	DC	....	for subroutine call
CALLERPM	DSECT		Layout of callers parameter list
	DS	....	
	DS	....	
	END		