APPENDIX D — NONMANDATORY P-NUMBER LISTING

APPENDIX D — NONMANDATORY P-NUMBER LISTING

A02

P-No.	Grp. No.	Spec. No.	Type, Grade, or UNS No.
Steel and Steel Alloys			
1	1	SA-36	
1	1	SA-53	Type E, Gr. A
1	1	SA-53	Type E, Gr. B
1	1	SA-53	Type F
1	1	SA-53	Type S, Gr. A
1	1	SA-53	Type S, Gr. B
1	1	SA-106	A
1	1	SA-106	B
1	1	SA-134	
1	1	SA-135	A
1	1	SA-135	B
1	1	SA-178	A
1	1	SA-178	C
1	1	SA-179	...
1	1	SA-181	Cl. 60
1	1	SA-192	
1	1	SA-210	A-1
1	1	SA-214	
1	1	SA-216	WCA
1	1	SA-226	
1	1	SA-234	WPB
1	1	SA-266	1
1	1	SA-283	A
1	1	SA-283	B
1	1	SA-283	C
1	1	SA-283	D
1	1	SA-285	A
1	1	SA-285	B
1	1	SA-285	C
1	1	SA-333	1
1	1	SA-333	6
1	1	SA-334	1
1	1	SA-334	6
1	1	SA-350	LF1
1	1	SA-352	LCA
1	1	SA-352	LCB
1	1	SA-369	FPA
1	1	SA-369	FPB
1	1	SA-372	A
1	1	SA-414	A
1	1	SA-414	B
1	1	SA-414	C
1	1	SA-414	D
1	1	SA-414	E
1	1	SA-420	WPL6
1	1	SA-513	1008
1	1	SA-513	1010
1	1	SA-513	1015
1	1	SA-515	60
1	1	SA-515	65
1	1	SA-516	55
1	1	SA-516	60
1	1	SA-516	65
1	1	SA-524	I
1	1	SA-524	II
1	1	SA-556	A2
1	1	SA-556	B2
1	1	SA-557	A2
1	1	SA-557	B2
1	1	SA-562	
1	1	SA-587	...
1	1	SA-620	K00040
1	1	SA-660	WCA
1	1	SA-662	A
1	1	SA-662	B
1	1	SA-671	CA55
1	1	SA-671	CB60
1	1	SA-671	CB65
1	1	SA-671	CC60
1	1	SA-671	CC65
1	1	SA-671	CE55
1	1	SA-671	CE60
1	1	SA-672	A45
1	1	SA-672	A50
1	1	SA-672	A55
1	1	SA-672	B55
1	1	SA-672	B60
1	1	SA-672	B65
1	1	SA-672	C55
1	1	SA-672	C60
1	1	SA-672	C65
1	1	SA-672	E55
1	1	SA-672	E60
1	1	SA-675	45
1	1	SA-675	50
1	1	SA-675	55
1	1	SA-675	60
1	1	SA-675	65
1	1	SA-695	Type B, Gr. 35
1	1	SA-696	B
1	1	SA-727	...
1	1	SA-765	I
1	1	SA-836	
1	1	SA/CSA G40.21	Gr. 38W
1	1	SA/CSA	Gr. 44W

01
A02

APPENDIX D — NONMANDATORY P-NUMBER LISTING (CONT'D)

P-No.	Grp. No.	Spec. No.	Type, Grade, or UNS No.
Steel and Steel Alloys (Contíd)			
		G40.21	
1	1	SA/EN 10028-2	295GH
1	1	SA/EN 10028-3	275NH
1	2	SA-105	
1	2	SA-106	C
1	2	SA-178	D
1	2	SA-181	Cl. 70
1	2	SA-210	C
1	2	SA-216	WCB
1	2	SA-216	WCC
1	2	SA-234	WPC
1	2	SA-266	2
1	2	SA-266	3
1	2	SA-266	4
1	2	SA-299	
1	2	SA-350	LF2
1	2	SA-352	LCC
1	2	SA-372	B
1	2	SA-414	F
1	2	SA-414	G
1	2	SA-455	
1	2	SA-487	Gr. 16, Cl. A
1	2	SA-508	1
1	2	SA-508	1A
1	2	SA-515	70
1	2	SA-516	70
1	2	SA-537	Cl. 1
1	2	SA-541	1
1	2	SA-541	1A
1	2	SA-556	C2
1	2	SA-557	C2
1	2	SA-660	WCB
1	2	SA-660	WCC
1	2	SA-662	C
1	2	SA-671	CB70
1	2	SA-671	CC70
1	2	SA-671	CD70
1	2	SA-671	CK75
1	2	SA-672	B70
1	2	SA-672	C70
1	2	SA-672	D70
1	2	SA-672	N75
1	2	SA-675	70
1	2	SA-691	CMS-75
1	2	SA-691	CMSH-70
1	2	SA-695	Type B, Gr. 40

P-No.	Grp. No.	Spec. No.	Type, Grade, or UNS No.
Steel and Steel Alloys (Contíd)			
1	2	SA-696	C
1	2	SA-737	B
1	2	SA-738	A
1	2	SA-765	II
1	3	SA-333	10
1	3	SA-537	Cl. 2
1	3	SA-537	Cl. 3
1	3	SA-671	CD80
1	3	SA-672	D80
1	3	SA-691	CMSH-80
1	3	SA-737	C
1	3	SA-738	B
1	3	SA-738	C
1	4	SA-724	A
1	4	SA-724	B
1	4	SA-724	C
3	1	SA-204	A
3	1	SA-209	T1
3	1	SA-209	T1a
3	1	SA-209	T1b
3	1	SA-213	T2
3	1	SA-217	WC1
3	1	SA-234	WP1
3	1	SA-250	T1
3	1	SA-250	T1a
3	1	SA-250	T1b
3	1	SA-250	T2
3	1	SA-335	P1
3	1	SA-335	P2
3	1	SA-335	P15
3	1	SA-352	LC1
3	1	SA-369	FP1
3	1	SA-369	FP2
3	1	SA-387	Gr. 2, Cl. 1
3	1	SA-426	CP1
3	1	SA-426	CP2
3	1	SA-426	CP15
3	1	SA-672	L65
3	1	SA-691	$1\frac{1}{2}$CR
3	1	SA-691	CM-65
3	2	SA-182	F1
3	2	SA-182	F2
3	2	SA-204	B
3	2	SA-204	C
3	2	SA-302	A
3	2	SA-336	F1

APPENDIX D — NONMANDATORY P-NUMBER LISTING (CONT'D)

P-No.	Grp. No.	Spec. No.	Type, Grade, or UNS No.
Steel and Steel Alloys (Cont'd)			
3	2	SA-387	Gr. 2, Cl. 2
3	2	SA-672	H75
3	2	SA-672	L70
3	2	SA-672	L75
3	2	SA-691	1/2CR, Cl. 2
3	2	SA-691	CM-70
3	2	SA-691	CM-75
3	3	SA-302	B
3	3	SA-302	C
3	3	SA-302	D
3	3	SA-487	Gr. 2, Cl. A
3	3	SA-487	Gr. 2, Cl. B
3	3	SA-487	Gr. 4, Cl. A
3	3	SA-508	2, Cl. 1
3	3	SA-508	2, Cl. 2
3	3	SA-508	3, Cl. 1
3	3	SA-508	3, Cl. 2
3	3	SA-508	4N, Cl. 3
3	3	SA-533	Type A, Cl. 1
3	3	SA-533	Type A, Cl. 2
3	3	SA-533	Type B, Cl. 1
3	3	SA-533	Type B, Cl. 2
3	3	SA-533	Type C, Cl. 1
3	3	SA-533	Type C, Cl. 2
3	3	SA-533	Type D, Cl. 1
3	3	SA-533	Type D, Cl. 2
3	3	SA-541	2, Cl. 1
3	3	SA-541	2, Cl. 2
3	3	SA-541	3, Cl. 1
3	3	SA-541	3, Cl. 2
3	3	SA-672	H80
3	3	SA-672	J80
3	3	SA-672	J90
4	1	SA-182	F11, Cl. 1
4	1	SA-182	F11, Cl. 2
4	1	SA-182	F11, Cl. 3
4	1	SA-182	F12, Cl. 1
4	1	SA-182	F12, Cl. 2
4	1	SA-199	T11
4	1	SA-202	A
4	1	SA-202	B
4	1	SA-213	T11
4	1	SA-213	T12
4	1	SA-217	WC4
4	1	SA-217	WC5
4	1	SA-217	WC6

P-No.	Grp. No.	Spec. No.	Type, Grade, or UNS No.
Steel and Steel Alloys (Cont'd)			
4	1	SA-234	WP11, Cl. 1
4	1	SA-234	WP12, Cl. 1
4	1	SA-250	T11
4	1	SA-335	P11
4	1	SA-335	P12
4	1	SA-336	F11, Cl. 2
4	1	SA-336	F11, Cl. 3
4	1	SA-336	F11, Cl. 1
4	1	SA-336	F12
4	1	SA-369	FP11
4	1	SA-369	FP12
4	1	SA-387	11, Cl. 1
4	1	SA-387	11, Cl. 2
4	1	SA-387	12, Cl. 1
4	1	SA-387	12, Cl. 2
4	1	SA-426	CP11
4	1	SA-426	CP12
4	1	SA-541	11, Cl. 4
4	1	SA-691	1CR
4	1	SA-691	1 1/4CR
4	1	SA-739	B11
4	2	SA-333	4
4	2	SA-423	1
4	2	SA-423	2
5A	1	SA-182	F21
5A	1	SA-182	F22, Cl. 1
5A	1	SA-182	F22, Cl. 3
5A	1	SA-199	T4
5A	1	SA-199	T21
5A	1	SA-199	T22
5A	1	SA-213	T21
5A	1	SA-213	T22
5A	1	SA-217	WC9
5A	1	SA-234	WP22, Cl. 1
5A	1	SA-250	T22
5A	1	SA-335	P21
5A	1	SA-335	P22
5A	1	SA-336	F21, Cl. 3
5A	1	SA-336	F21, Cl. 1
5A	1	SA-336	F22, Cl. 3
5A	1	SA-336	F22, Cl. 1
5A	1	SA-369	FP21
5A	1	SA-369	FP22
5A	1	SA-387	21, Cl. 1
5A	1	SA-387	21, Cl. 2

APPENDIX D — NONMANDATORY P-NUMBER LISTING (CONT'D)

P-No.	Grp. No.	Spec. No.	Type, Grade, or UNS No.
Steel and Steel Alloys (Cont'd)			
5A	1	SA-387	22, Cl. 1
5A	1	SA-387	22, Cl. 2
5A	1	SA-426	CP21
5A	1	SA-426	CP22
5A	1	SA-691	2¼CR
5A	1	SA-691	3CR
5A	1	SA-739	B22
5B	1	SA-182	F5
5B	1	SA-182	F5a
5B	1	SA-182	F9
5B	1	SA-199	T5
5B	1	SA-199	T9
5B	1	SA-213	T5
5B	1	SA-213	T5b
5B	1	SA-213	T5c
5B	1	SA-213	T9
5B	1	SA-217	C5
5B	1	SA-217	C12
5B	1	SA-234	WP5
5B	1	SA-234	WP9
5B	1	SA-335	P5
5B	1	SA-335	P5b
5B	1	SA-335	P5c
5B	1	SA-335	P9
5B	1	SA-336	F5
5B	1	SA-336	F5A
5B	1	SA-336	F9
5B	1	SA-369	FP5
5B	1	SA-369	FP9
5B	1	SA-387	5, Cl. 1
5B	1	SA-387	5, Cl. 2
5B	1	SA-426	CP5
5B	1	SA-426	CP5b
5B	1	SA-426	CP9
5B	1	SA-691	5CR
5B	2	SA-182	F91
5B	2	SA-199	T91
5B	2	SA-213	T91
5B	2	SA-234	WP91
5B	2	SA-335	P91
5B	2	SA-336	F91
5B	2	SA-369	FP91
5B	2	SA-387	Gr. 91, Cl. 2
5C	1	SA-182	F3V
5C	1	SA-182	F22V
5C	1	SA-336	F3V
5C	1	SA-336	F22V
5C	1	SA-487	Gr. 8 Cl. A

P-No.	Grp. No.	Spec. No.	Type, Grade, or UNS No.
Steel and Steel Alloys (Cont'd)			
5C	1	SA-508	3V
5C	1	SA-508	22, Cl. 3
5C	1	SA-541	3V
5C	1	SA-541	22V
5C	1	SA-541	22, Cl. 3
5C	1	SA-542	A, Cl. 4
5C	1	SA-542	A, Cl. 4a
5C	1	SA-542	B, Cl. 4
5C	1	SA-542	B, Cl. 4a
5C	1	SA-542	C, Cl. 4
5C	1	SA-542	C, Cl. 4a
5C	1	SA-542	D, Cl. 4a
5C	1	SA-832	21V
5C	1	SA-832	22V
5C	3	SA-542	A, Cl. 3
5C	3	SA-542	B, Cl. 3
5C	3	SA-542	C, Cl. 3
5C	4	SA-487	Gr. 8 Cl. B
5C	4	SA-487	Gr. 8 Cl. C
5C	4	SA-541	22, Cl. 4
5C	4	SA-542	A, Cl. 1
5C	4	SA-542	B, Cl. 1
5C	4	SA-542	C, Cl. 1
5C	5	SA-541	22, Cl. 5
5C	5	SA-542	A, Cl. 2
5C	5	SA-542	B, Cl. 2
5C	5	SA-542	C, Cl. 2
6	1	SA-182	F6a, Cl. 1
6	1	SA-240	410
6	1	SA-268	TP410
6	1	SA-479	403
6	1	SA-479	410
6	2	SA-182	F429
6	2	SA-240	429
6	2	SA-268	TP429
6	3	SA-182	F6a, Cl. 2
6	3	SA-182	F6b
6	3	SA-217	CA15
6	3	SA-336	F6
6	3	SA-426	CPCA15
6	3	SA-487	CA15 Cl. B
6	3	SA-487	CA15 Cl. C
6	3	SA-487	CA15 Cl. D
6	3	SA-487	CA15M Cl. A
6	4	SA-182	F6NM
6	4	SA-240	S41500
6	4	SA-268	S41500

APPENDIX D — NONMANDATORY P-NUMBER LISTING (CONT'D)

P-No.	Grp. No.	Spec. No.	Type, Grade, or UNS No.
Steel and Steel Alloys (Cont'd)			
6	4	SA-352	CA6NM
6	4	SA-479	414
6	4	SA-479	S41500
6	4	SA-487	CA6NM Cl. A
6	4	SA-487	CA6NM Cl. B
6	4	SA-731	S41500
6	4	SA-815	S41500
7	1	SA-240	Type 405
7	1	SA-240	Type 409
7	1	SA-240	Type 410S
7	1	SA-268	S40800
7	1	SA-268	TP405
7	1	SA-268	TP409
7	1	SA-268	TP430Ti
7	1	SA-479	405
7	2	SA-182	F430
7	2	SA-240	S44400
7	2	SA-240	Type 430
7	2	SA-240	Type 439
7	2	SA-268	18Cr–2Mo
7	2	SA-268	TP430
7	2	SA-268	TP439
7	2	SA-479	430
7	2	SA-479	439
7	2	SA-479	S44400
7	2	SA-731	18Cr-2Mo
7	2	SA-731	TP439
7	2	SA-803	TP439
8	1	SA-182	S30600
8	1	SA-182	F304
8	1	SA-182	F304H
8	1	SA-182	F304L
8	1	SA-182	F304LN
8	1	SA-182	F304N
8	1	SA-182	F316
8	1	SA-182	F316H
8	1	SA-182	F316L
8	1	SA-182	F316LN
8	1	SA-182	F316
8	1	SA-182	F317
8	1	SA-182	F317L
8	1	SA-182	F321
8	1	SA-182	F321H
8	1	SA-182	F347
8	1	SA-182	F347H

P-No.	Grp. No.	Spec. No.	Type, Grade, or UNS No.
Steel and Steel Alloys (Cont'd)			
8	1	SA-182	F348
8	1	SA-182	F348H
8	1	SA-213	TP304
8	1	SA-213	TP304H
8	1	SA-213	TP304L
8	1	SA-213	TP304LN
8	1	SA-213	TP304N
8	1	SA-213	TP316
8	1	SA-213	TP316H
8	1	SA-213	TP316L
8	1	SA-213	TP316LN
8	1	SA-213	TP316N
8	1	SA-213	TP321
8	1	SA-213	TP321H
8	1	SA-213	TP347
8	1	SA-213	TP347H
8	1	SA-213	TP348
8	1	SA-213	TP348H
8	1	SA-213	XM-15
8	1	SA-240	S30500
8	1	SA-240	S30600
8	1	SA-240	S31753
8	1	SA-240	Type 302
8	1	SA-240	Type 304
8	1	SA-240	Type 304H
8	1	SA-240	Type 304L
8	1	SA-240	Type 304LN
8	1	SA-240	Type 304N
8	1	SA-240	Type 316
8	1	SA-240	Type 316Cb
8	1	SA-240	Type 316H
8	1	SA-240	Type 316L
8	1	SA-240	Type 316LN
8	1	SA-240	Type 316N
8	1	SA-240	Type 316Ti
8	1	SA-240	Type 317
8	1	SA-240	Type 317L
8	1	SA-240	Type 321
8	1	SA-240	Type 321H
8	1	SA-240	Type 347
8	1	SA-240	Type 347H
8	1	SA-240	Type 348
8	1	SA-240	Type 348H
8	1	SA-240	Type XM-15
8	1	SA-240	Type XM-21
8	1	SA-249	TP304

APPENDIX D — NONMANDATORY P-NUMBER LISTING (CONT'D)

P-No.	Grp. No.	Spec. No.	Type, Grade, or UNS No.
Steel and Steel Alloys (Cont'd)			
8	1	SA-249	TP304H
8	1	SA-249	TP304L
8	1	SA-249	TP304LN
8	1	SA-249	TP304N
8	1	SA-249	TP316
8	1	SA-249	TP316H
8	1	SA-249	TP316L
8	1	SA-249	TP316LN
8	1	SA-249	TP316N
8	1	SA-249	TP317
8	1	SA-249	TP317L
8	1	SA-249	TP321
8	1	SA-249	TP321H
8	1	SA-249	TP347
8	1	SA-249	TP347H
8	1	SA-249	TP348
8	1	SA-249	TP348H
8	1	SA-249	TP XM-15
8	1	SA-312	S30600
8	1	SA-312	TP304
8	1	SA-312	TP304H
8	1	SA-312	TP304L
8	1	SA-312	TP304LN
8	1	SA-312	TP304N
8	1	SA-312	TP316
8	1	SA-312	TP316H
8	1	SA-312	TP316L
8	1	SA-312	TP316LN
8	1	SA-312	TP316N
8	1	SA-312	TP317
8	1	SA-312	TP317L
8	1	SA-312	TP321
8	1	SA-312	TP321H
8	1	SA-312	TP347
8	1	SA-312	TP347H
8	1	SA-312	TP348
8	1	SA-312	TP348H
8	1	SA-312	TP XM-15
8	1	SA-336	F304
8	1	SA-336	F304H
8	1	SA-336	F304L
8	1	SA-336	F304LN
8	1	SA-336	F304N
8	1	SA-336	F316
8	1	SA-336	F316H
8	1	SA-336	F316L

P-No.	Grp. No.	Spec. No.	Type, Grade, or UNS No.
Steel and Steel Alloys (Cont'd)			
8	1	SA-336	F316LN
8	1	SA-336	F316N
8	1	SA-336	F321
8	1	SA-336	F321H
8	1	SA-336	F347
8	1	SA-336	F347H
8	1	SA-336	F348
8	1	SA-336	F348H
8	1	SA-351	CF3
8	1	SA-351	CF3A
8	1	SA-351	CF3M
8	1	SA-351	CF8
8	1	SA-351	CF8A
8	1	SA-351	CF8C
8	1	SA-351	CF8M
8	1	SA-351	CF10
8	1	SA-351	CF10M
8	1	SA-351	CG8M
8	1	SA-358	304
8	1	SA-358	304H
8	1	SA-358	304L
8	1	SA-358	304LN
8	1	SA-358	304N
8	1	SA-358	316
8	1	SA-358	316H
8	1	SA-358	316L
8	1	SA-358	316LN
8	1	SA-358	316N
8	1	SA-358	321
8	1	SA-358	347
8	1	SA-358	348
8	1	SA-376	16-8-2H
8	1	SA-376	TP304
8	1	SA-376	TP304H
8	1	SA-376	TP304LN
8	1	SA-376	TP304N
8	1	SA-376	TP316
8	1	SA-376	TP316H
8	1	SA-376	TP316LN
8	1	SA-376	TP316N
8	1	SA-376	TP321
8	1	SA-376	TP321H
8	1	SA-376	TP347
8	1	SA-376	TP347H
8	1	SA-376	TP348
8	1	SA-376	16-8-2H

APPENDIX D — NONMANDATORY P-NUMBER LISTING (CONT'D)

P-No.	Grp. No.	Spec. No.	Type, Grade, or UNS No.
Steel and Steel Alloys (Cont'd)			
8	1	SA-403	WP304
8	1	SA-403	WP304H
8	1	SA-403	WP304L
8	1	SA-403	WP304LN
8	1	SA-403	WP304N
8	1	SA-403	WP316
8	1	SA-403	WP316H
8	1	SA-403	WP316L
8	1	SA-403	WP316LN
8	1	SA-403	WP316N
8	1	SA-403	WP317
8	1	SA-403	WP317L
8	1	SA-403	WP321
8	1	SA-403	WP321H
8	1	SA-403	WP347
8	1	SA-403	WP347H
8	1	SA-403	WP348
8	1	SA-403	WP348H
8	1	SA-409	TP304
8	1	SA-409	TP304L
8	1	SA-409	TP316
8	1	SA-409	TP316L
8	1	SA-409	TP317
8	1	SA-409	TP321
8	1	SA-409	TP347
8	1	SA-409	TP348
8	1	SA-430	FP304
8	1	SA-430	FP304H
8	1	SA-430	FP304N
8	1	SA-430	FP316
8	1	SA-430	FP316H
8	1	SA-430	FP316N
8	1	SA-430	FP321
8	1	SA-430	FP321H
8	1	SA-430	FP347
8	1	SA-430	FP347H
8	1	SA-430	FP16-8-2H
8	1	SA-451	CPF3
8	1	SA-451	CPF3A
8	1	SA-451	CPF3M
8	1	SA-451	CPF8
8	1	SA-451	CPF8A
8	1	SA-451	CPF8C
8	1	SA-451	CPF8M
8	1	SA-452	TP304H
8	1	SA-452	TP316H
8	1	SA-452	TP347H
8	1	SA-479	302
8	1	SA-479	304
8	1	SA-479	304H
8	1	SA-479	304L
8	1	SA-479	304LN
8	1	SA-479	304N
8	1	SA-479	316
8	1	SA-479	316Cb
8	1	SA-479	316H
8	1	SA-479	316L
8	1	SA-479	316LN
8	1	SA-479	316N
8	1	SA-479	316Ti
8	1	SA-479	321
8	1	SA-479	321H
8	1	SA-479	347
8	1	SA-479	347H
8	1	SA-479	348
8	1	SA-479	348H
8	1	SA-479	S30600
8	1	SA-666	302
8	1	SA-666	304
8	1	SA-666	304L
8	1	SA-666	304LN
8	1	SA-666	304N
8	1	SA-666	316
8	1	SA-666	316L
8	1	SA-666	316N
8	1	SA-688	TP304
8	1	SA-688	TP304L
8	1	SA-688	TP304LN
8	1	SA-688	TP304N
8	1	SA-688	TP316
8	1	SA-688	TP316L
8	1	SA-688	TP316LN
8	1	SA-688	TP316N
8	1	SA-813	TP304
8	1	SA-813	TP304H
8	1	SA-813	TP304L
8	1	SA-813	TP304LN
8	1	SA-813	TP304N
8	1	SA-813	TP316
8	1	SA-813	TP316H
8	1	SA-813	TP316L
8	1	SA-813	TP316LN

APPENDIX D — NONMANDATORY P-NUMBER LISTING (CONT'D)

P-No.	Grp. No.	Spec. No.	Type, Grade, or UNS No.
Steel and Steel Alloys (Cont'd)			
8	1	SA-813	TP316N
8	1	SA-813	TP317
8	1	SA-813	TP317L
8	1	SA-813	TP321
8	1	SA-813	TP321H
8	1	SA-813	TP347
8	1	SA-813	TP347H
8	1	SA-813	TP348
8	1	SA-813	TP348H
8	1	SA-813	TPXM-15
8	1	SA-814	TP304
8	1	SA-814	TP304H
8	1	SA-814	TP304L
8	1	SA-814	TP304LN
8	1	SA-814	TP304N
8	1	SA-814	TP316
8	1	SA-814	TP316H
8	1	SA-814	TP316L
8	1	SA-814	TP316LN
8	1	SA-814	TP316N
8	1	SA-814	TP317
8	1	SA-814	TP317L
8	1	SA-814	TP321
8	1	SA-814	TP321H
8	1	SA-814	TP347
8	1	SA-814	TP347H
8	1	SA-814	TP348
8	1	SA-814	TP348H
8	1	SA-814	TPXM-15
8	2	SA-182	F10
8	2	SA-182	F45
8	2	SA-182	F310
8	2	SA-213	S30815
8	2	SA-213	TP309Cb
8	2	SA-213	TP309H
8	2	SA-213	TP309S
8	2	SA-213	TP310Cb
8	2	SA-213	TP310S
8	2	SA-213	TP309HCb
8	2	SA-213	TP310H
8	2	SA-213	TP310MoLN
8	2	SA-213	TP310HCb
8	2	SA-240	S30815
8	2	SA-240	Type 309Cb
8	2	SA-240	Type 309H
8	2	SA-240	Type 309HCb
8	2	SA-240	Type 309S
8	2	SA-240	Type 310Cb
8	2	SA-240	Type 310HCb
8	2	SA-240	Type 310MoLN
8	2	SA-240	Type 310S
8	2	SA-249	S30815
8	2	SA-249	TP309Cb
8	2	SA-249	TP309H
8	2	SA-249	TP309HCb
8	2	SA-249	TP309S
8	2	SA-249	TP310Cb
8	2	SA-249	TP310H
8	2	SA-249	TP310S
8	2	SA-249	TP310MoLN
8	2	SA-312	S30815
8	2	SA-312	TP309Cb
8	2	SA-312	TP309H
8	2	SA-312	TP309HCb
8	2	SA-312	TP309S
8	2	SA-312	TP310Cb
8	2	SA-312	TP310H
8	2	SA-312	TP310HCb
8	2	SA-312	TP310S
8	2	SA-312	TP310MoLN
8	2	SA-336	F310
8	2	SA-351	CH8
8	2	SA-351	CH20
8	2	SA-351	CK20
8	2	SA-358	309
8	2	SA-358	309Cb
8	2	SA-358	309S
8	2	SA-358	310Cb
8	2	SA-358	310S
8	2	SA-358	S30815
8	2	SA-403	WP309
8	2	SA-403	WP310
8	2	SA-409	S30815
8	2	SA-409	TP309Cb
8	2	SA-409	TP309S
8	2	SA-409	TP310Cb
8	2	SA-409	TP310S
8	2	SA-451	CPH8
8	2	SA-451	CPH20
8	2	SA-451	CPK20
8	2	SA-479	309Cb
8	2	SA-479	309S

APPENDIX D — NONMANDATORY P-NUMBER LISTING (CONT'D) 01

P-No.	Grp. No.	Spec. No.	Type, Grade, or UNS No.
Steel and Steel Alloys (Cont'd)			
8	2	SA-479	310Cb
8	2	SA-479	310S
8	2	SA-479	S30815
8	2	SA-813	S30815
8	2	SA-813	TP309Cb
8	2	SA-813	TP309S
8	2	SA-813	TP310Cb
8	2	SA-813	TP310S
8	2	SA-814	S30815
8	2	SA-814	TP309Cb
8	2	SA-814	TP309S
8	2	SA-814	TP310Cb
8	2	SA-814	TP310S
8	3	SA-182	FXM-11
8	3	SA-182	FXM-19
8	3	SA-213	TP201
8	3	SA-213	TP202
8	3	SA-213	XM-19
8	3	SA-240	S20100
8	3	SA-240	S21800
8	3	SA-240	S20100
8	3	SA-240	Type 202
8	3	SA-240	S20400
8	3	SA-240	Type XM-17
8	3	SA-240	Type XM-17
8	3	SA-240	Type XM-18
8	3	SA-240	Type XM-18
8	3	SA-240	Type XM-19
8	3	SA-240	Type XM-19
8	3	SA-240	Type XM-29
8	3	SA-249	TP201
8	3	SA-249	TP202
8	3	SA-249	TPXM-19
8	3	SA-249	TPXM-29
8	3	SA-312	TPXM-11
8	3	SA-312	TPXM-19
8	3	SA-312	TPXM-29
8	3	SA-336	FXM-11
8	3	SA-336	FXM-19
8	3	SA-351	CG6MMN
8	3	SA-358	XM-19
8	3	SA-358	XM-29
8	3	SA-403	WPXM-19
8	3	SA-479	S21800
8	3	SA-479	XM-11
8	3	SA-479	XM-17
8	3	SA-479	XM-18
8	3	SA-479	XM-19
8	3	SA-479	XM-29
8	3	SA-666	201
8	3	SA-666	XM-11
8	3	SA-688	XM-29
8	3	SA-813	TPXM-11
8	3	SA-813	TPXM-19
8	3	SA-813	TPXM-29
8	3	SA-814	TPXM-11
8	3	SA-814	TPXM-19
8	3	SA-814	TPXM-29
8	4	SA-182	F44
8	4	SA-213	S01815
8	4	SA-213	S31725
8	4	SA-213	S31726
8	4	SA-240	S31254
8	4	SA-240	S31725
8	4	SA-240	S31726
8	4	SA-249	S31254
8	4	SA-249	S31725
8	4	SA-249	S31726
8	4	SA-312	S31254
8	4	SA-312	S31725
8	4	SA-312	S31726
8	4	SA-336	F46
8	4	SA-351	J93254
8	4	SA-358	S31254
8	4	SA-358	S31725
8	4	SA-358	S31726
8	4	SA-376	S31725
8	4	SA-376	S31726
8	4	SA-403	S31254
8	4	SA-409	S31254
8	4	SA-409	S31725
8	4	SA-409	S31726
8	4	SA-479	S31254
8	4	SA-479	S31725
8	4	SA-479	S31726
8	4	SA-813	S31254
8	4	SA-814	S31254
9A	1	SA-182	FR
9A	1	SA-203	A
9A	1	SA-203	B
9A	1	SA-234	WPR
9A	1	SA-333	7

01

APPENDIX D — NONMANDATORY P-NUMBER LISTING (CONT'D)

P-No.	Grp. No.	Spec. No.	Type, Grade, or UNS No.
Steel and Steel Alloys (Cont'd)			
9A	1	SA-333	9
9A	1	SA-334	7
9A	1	SA-334	9
9A	1	SA-350	LF5, Cl. 1
9A	1	SA-350	LF5, Cl. 2
9A	1	SA-350	LF9
9A	1	SA-352	LC2
9A	1	SA-420	WPL9
9B	1	SA-203	D
9B	1	SA-203	E
9B	1	SA-203	F
9B	1	SA-333	3
9B	1	SA-334	3
9B	1	SA-350	LF3, Cl. 2
9B	1	SA-352	LC3
9B	1	SA-420	WPL3
9B	1	SA-765	III
9C	1	SA-352	LC4
10A	1	SA-225	C
10A	1	SA-225	D
10A	1	SA-487	Gr. 1, Cl. A
10A	1	SA-487	Gr. 1, Cl. B
10B	1	SA-213	T17
10C	1	SA-612	
10H	1	SA-182	F50
10H	1	SA-182	F51
10H	1	SA-240	S31200
10H	1	SA-240	S31260
10H	1	SA-240	S31803
10H	1	SA-240	S32550
10H	1	SA-240	S32950
10H	1	SA-240	Type 329
10H	1	SA-351	CD4MCu
10H	1	SA-351	CE8MN
10H	1	SA-479	C32550
10H	1	SA-789	S31200
10H	1	SA-789	S31260
10H	1	SA-789	S31500
10H	1	SA-789	S31803
10H	1	SA-789	S32304
10H	1	SA-789	S32550
10H	1	SA-789	S32750
10H	1	SA-789	S32900
10H	1	SA-789	S32950

P-No.	Grp. No.	Spec. No.	Type, Grade, or UNS No.
Steel and Steel Alloys (Cont'd)			
10H	1	SA-790	S31200
10H	1	SA-790	S31260
10H	1	SA-790	S31500
10H	1	SA-790	S31803
10H	1	SA-790	S32304
10H	1	SA-790	S32550
10H	1	SA-790	S32750
10H	1	SA-790	S32900
10H	1	SA-790	S32950
10H	1	SA-815	S31803
10I	1	SA-182	FXM-27Cb
10I	1	SA-240	S44635
10I	1	SA-240	Type XM-27
10I	1	SA-240	Type XM-33
10I	1	SA-268	25-4-4
10I	1	SA-268	TP446-1
10I	1	SA-268	TP446-2
10I	1	SA-268	TPXM-27
10I	1	SA-268	TPXM-33
10I	1	SA-336	FXM-27Cb
10I	1	SA-479	XM-27
10I	1	SA-731	TPXM-27
10I	1	SA-731	TPXM-33
10J	1	SA-240	S44700
10J	1	SA-268	S44700
10J	1	SA-268	S44735
10J	1	SA-479	S44700
10J	1	SA-731	S44700
10K	1	SA-240	S44660
10K	1	SA-240	S44800
10K	1	SA-268	S44660
10K	1	SA-268	S44800
10K	1	SA-479	S44800
10K	1	SA-731	S44660
10K	1	SA-731	S44800
10K	1	SA-803	S44660
11A	1	SA-333	8
11A	1	SA-334	8
11A	1	SA-353	
11A	1	SA-420	WPL8
11A	1	SA-522	Type I
11A	1	SA-522	Type II
11A	1	SA-553	Type I
11A	1	SA-553	Type II
11A	2	SA-645	

APPENDIX D — NONMANDATORY P-NUMBER LISTING (CONT'D)

P-No.	Grp. No.	Spec. No.	Type, Grade, or UNS No.
Steel and Steel Alloys (Cont'd)			
11A	3	SA-487	Gr. 4, Cl. B
11A	3	SA-487	Gr. 4, Cl. E
11A	4	SA-533	Type A, Cl. 3
11A	4	SA-533	Type B, Cl. 3
11A	4	SA-533	Type C, Cl. 3
11A	4	SA-533	Type D, Cl. 3
11A	4	SA-672	J100
11A	5	SA-352	LC2-1
11A	5	SA-508	4N, Cl. 1
11A	5	SA-508	4N, Cl. 2
11A	5	SA-508	5, Cl. 1
11A	5	SA-508	5, Cl. 2
11A	5	SA-543	B Cl. 1
11A	5	SA-543	B Cl. 3
11A	5	SA-543	C Cl. 1
11A	5	SA-543	C Cl. 3
11B	1	SA-517	A
11B	1	SA-592	A
11B	2	SA-517	E
11B	2	SA-592	E
11B	3	SA-517	F
11B	3	SA-592	F
11B	4	SA-517	B
11B	6	SA-517	J
11B	8	SA-517	P
11B	10	SA-543	B Cl. 2
11B	10	SA-543	C Cl. 2
Aluminum and Aluminum-Base Alloys			
21		SB-209	A91060
21		SB-209	A91100
21		SB-209	A93003
21		SB-210	A91060
21		SB-210	A93003
21		SB-221	A91060
21		SB-221	A91100
21		SB-221	A93003
21		SB-234	A91060
21		SB-234	A93003
21		SB-241	A91060
21		SB-241	A91100
21		SB-241	A93003

P-No.	Grp. No.	Spec. No.	Type, Grade, or UNS No.
Aluminum and Aluminum-Base Alloys (Cont'd)			
21		SB-247	A93003
22		SB-209	A93004
22		SB-209	A95052
22		SB-209	A95154
22		SB-209	A95254
22		SB-209	A95454
22		SB-209	A95652
22		SB-210	A95052
22		SB-210	A95154
22		SB-221	A95154
22		SB-221	A95454
22		SB-234	A95052
22		SB-234	A95454
22		SB-241	A95052
22		SB-241	A95454
23		SB-209	A96061
23		SB-210	A96061
23		SB-210	A96063
23		SB-211	A96061
23		SB-221	A96061
23		SB-221	A96063
23		SB-234	A96061
23		SB-241	A96061
23		SB-241	A96063
23		SB-247	A96061
23		SB-308	A96061
25		SB-209	A95083
25		SB-209	A95086
25		SB-209	A95456
25		SB-221	A95083
25		SB-221	A95456
25		SB-241	A95083
25		SB-241	A95086
25		SB-241	A95456
25		SB-247	A95083
Copper and Copper-Base Alloys			
31		SB-42	C10200
31		SB-42	C12000
31		SB-42	C12200
31		SB-75	C10200
31		SB-75	C12000
31		SB-75	C12200
31		SB-75	C14200
31		SB-111	C10200
31		SB-111	C12000

APPENDIX D — NONMANDATORY P-NUMBER LISTING (CONT'D)

P-No.	Grp. No.	Spec. No.	Type, Grade, or UNS No.
Copper and Copper-Base Alloys (Cont'd)			
31		SB-111	C12200
31		SB-111	C14200
31		SB-111	C19200
31		SB-152	C10200
31		SB-152	C10400
31		SB-152	C10500
31		SB-152	C10700
31		SB-152	C11000
31		SB-152	C12200
31		SB-152	C12300
31		SB-152	C12500
31		SB-152	C14200
31		SB-187	C10200
31		SB-187	C11000
31		SB-359	C10200
31		SB-359	C12000
31		SB-359	C12200
31		SB-359	C14200
31		SB-359	C19200
31		SB-395	C10200
31		SB-395	C12000
31		SB-395	C12200
31		SB-395	C14200
31		SB-395	C19200
31		SB-543	C12200
31		SB-543	C19400
32		SB-43	C23000
32		SB-111	C23000
32		SB-111	C28000
32		SB-111	C44300
32		SB-111	C44400
32		SB-111	C44500
32		SB-111	C68700
32		SB-135	C23000
32		SB-171	C36500
32		SB-171	C44300
32		SB-171	C44400
32		SB-171	C44500
32		SB-171	C46400
32		SB-171	C46500
32		SB-359	C23000
32		SB-359	C44300
32		SB-359	C44400
32		SB-359	C44500
32		SB-359	C68700
32		SB-395	C23000

P-No.	Grp. No.	Spec. No.	Type, Grade, or UNS No.
Copper and Copper-Base Alloys (Cont'd)			
32		SB-395	C44300
32		SB-395	C44400
32		SB-395	C44500
32		SB-395	C68700
32		SB-543	C23000
32		SB-543	C44300
32		SB-543	C44400
32		SB-543	C44500
32		SB-543	C68700
33		SB-96	C65500
33		SB-98	C65100
33		SB-98	C65500
33		SB-98	C66100
33		SB-315	C65500
34		SB-111	C70400
34		SB-111	C70600
34		SB-111	C71000
34		SB-111	C71500
34		SB-111	C71640
34		SB-111	C72200
34		SB-151	C70600
34		SB-171	C70600
34		SB-171	C71500
34		SB-359	C70400
34		SB-359	C70600
34		SB-359	C71000
34		SB-359	C71500
34		SB-369	C96200
34		SB-395	C70600
34		SB-395	C71000
34		SB-395	C71500
34		SB-466	C70600
34		SB-466	C71000
34		SB-466	C71500
34		SB-467	C70600
34		SB-467	C71500
34		SB-543	C70400
34		SB-543	C70600
34		SB-543	C71500
34		SB-543	C71640
35		SB-111	C60800
35		SB-148	C95200
35		SB-148	C95400
35		SB-150	C61400
35		SB-150	C62300

APPENDIX D — NONMANDATORY P-NUMBER LISTING (CONT'D) 01

P-No.	Grp. No.	Spec. No.	Type, Grade, or UNS No.
Copper and Copper-Base Alloys (Cont'd)			
35		SB-150	C63000
35		SB-150	C64200
35		SB-169	C61400
35		SB-171	C61400
35		SB-171	C63000
35		SB-271	C95200
35		SB-271	C95400
35		SB-359	C60800
35		SB-395	C60800
35		SB-505	C95200
Nickel and Nickel-Base Alloys			
41		SB-160	N02200
41		SB-160	N02201
41		SB-161	N02200
41		SB-161	N02201
41		SB-162	N02200
41		SB-162	N02201
41		SB-163	N02200
41		SB-163	N02201
41		SB-366	N02200
41		SB-366	N02201
42		SB-127	N04400
42		SB-163	N04400
42		SB-164	N04400
42		SB-164	N04405
42		SB-165	N04400
42		SB-366	N04400
42		SB-564	N04400
43		SB-163	N06600
43		SB-163	N06690
43		SB-166	N06600
43		SB-166	N06690
43		SB-167	N06600
43		SB-167	N06690
43		SB-168	N06600
43		SB-168	N06690
43		SB-366	N06002
43		SB-366	N06600
43		SB-366	N06625
43		SB-435	N06002
43		SB-443	N06625
43		SB-444	N06625
43		SB-446	N06625
43		SB-516	N06600
43		SB-517	N06600
43		SB-564	N06600

P-No.	Grp. No.	Spec. No.	Type, Grade, or UNS No.
Nickel and Nickel-Base Alloys (Cont'd)			
43		SB-564	N06625
43		SB-564	N06690
43		SB-572	N06002
43		SB-619	N06002
43		SB-622	N06002
43		SB-626	N06002
43		SB-704	N06625
43		SB-705	N06625
44		SB-333	N10001
44		SB-333	N10629
44		SB-333	N10665
44		SB-333	N10675
44		SB-335	N10001
44		SB-335	N10629
44		SB-335	N10665
44		SB-335	N10675
44		SB-366	N06022
44		SB-366	N06059
44		SB-366	N06645
44		SB-366	N10001
44		SB-366	N10003
44		SB-366	N10276
44		SB-366	N10629
44		SB-366	N10665
44		SB-366	N10675
44		SB-434	N10003
44		SA-494	N26022
44		SB-564	N06022
44		SB-564	N06059
44		SB-564	N10276
44		SB-564	N10629
44		SB-564	N10675
44		SB-573	N10003
44		SB-574	N06022
44		SB-574	N06059
44		SB-574	N06455
44		SB-574	N10276
44		SB-575	N06022
44		SB-575	N06059
44		SB-575	N06455
44		SB-575	N10276
44		SB-619	N06022
44		SB-619	N06059
44		SB-619	N06455
44		SB-619	N10001
44		SB-619	N10276
44		SB-619	N10629
44		SB-619	N10665
44		SB-619	N10675
44		SB-622	N06022

01

APPENDIX D — NONMANDATORY P-NUMBER LISTING (CONT'D)

P-No.	Grp. No.	Spec. No.	Type, Grade, or UNS No.
Nickel and Nickel-Base Alloys (Cont'd)			
44		SB-622	N06059
44		SB-622	N06455
44		SB-622	N10001
44		SB-622	N10276
44		SB-622	N10629
44		SB-622	N10665
44		SB-622	N10675
44		SB-626	N06022
44		SB-626	N06059
44		SB-626	N06455
44		SB-626	N10001
44		SB-626	N10276
44		SB-626	N10629
44		SB-626	N10665
44		SB-626	N10675
45		SB-163	N08800
45		SB-163	N08810
45		SB-163	N08811
45		SB-163	N08825
45		SA-351	CN3MN
45		SA-351	N08007
45		SA-351	N08151
45		SB-366	N06007
45		SB-366	N06030
45		SB-366	N06985
45		SB-366	N08020
45		SB-366	N08031
45		SB-366	N08800
45		SB-366	N08825
45		SB-366	N08925
45		SB-366	R20033
45		SB-407	N08800
45		SB-407	N08810
45		SB-407	N08811
45		SB-408	N08800
45		SB-408	N08810
45		SB-408	N08811
45		SB-409	N08800
45		SB-409	N08810
45		SB-409	N08811
45		SB-423	N08825
45		SB-424	N08825
45		SB-425	N08825
45		SB-435	R30556
45		SB-462	N08020
45		SB-462	N08367
45		SB-463	N08020
45		SB-463	N08024
45		SB-463	N08026
Nickel and Nickel-Base Alloys (Cont'd)			
45		SB-464	N08020
45		SB-464	N08024
45		SB-464	N08026
45		SB-468	N08020
45		SB-468	N08024
45		SB-468	N08026
45		SB-473	N08020
45		SB-514	N08800
45		SB-514	N08810
45		SB-515	N08800
45		SB-515	N08810
45		SB-515	N08811
45		SB-564	N08031
45		SB-564	N08367
45		SB-564	N08800
45		SB-564	N08810
45		SB-564	N08811
45		SB-564	R20033
45		SB-572	R30556
45		SB-581	N06007
45		SB-581	N06030
45		SB-581	N06975
45		SB-581	N06985
45		SB-581	N08031
45		SB-582	N06007
45		SB-582	N06030
45		SB-582	N06975
45		SB-582	N06985
45		SB-599	N08700
45		SB-619	N06007
45		SB-619	N06030
45		SB-619	N06975
45		SB-619	N06985
45		SB-619	N08031
45		SB-619	N08320
45		SB-619	R20033
45		SB-619	R30556
45		SB-620	N08320
45		SB-621	N08320
45		SB-622	N06007
45		SB-622	N06030
45		SB-622	N06975
45		SB-622	N06985
45		SB-622	N08031
45		SB-622	N08320
45		SB-622	R20033
45		SB-622	R30556
45		SB-625	N08031

APPENDIX D — NONMANDATORY P-NUMBER LISTING (CONT'D)

01
A02

P-No.	Grp. No.	Spec. No.	Type, Grade, or UNS No.
Nickel and Nickel-Base Alloys (Cont'd)			
45		SB-625	N08904
45		SB-625	N08925
45		SB-625	R20033
45		SB-626	N06007
45		SB-626	N06030
45		SB-626	N06975
45		SB-626	N06985
45		SB-626	N08031
45		SB-626	N08320
45		SB-626	R20033
45		SB-626	R30556
45		SB-649	N08904
45		SB-649	N08925
45		SB-649	R20033
45		SB-668	N08028
45		SB-672	N08700
45		SB-673	N08904
45		SB-673	N08925
45		SB-674	N08904
45		SB-674	N08925
45		SB-675	N08366
45		SB-675	N08367
45		SB-676	N08366
45		SB-676	N08367
45		SB-677	N08904
45		SB-677	N08925
45		SB-688	N08366
45		SB-688	N08367
45		SB-690	N08366
45		SB-690	N08367
45		SB-691	N08366
45		SB-691	N08367
45		SB-704	N08825
45		SB-705	N08825
45		SB-709	N08028
45		SB-729	N08020
46		SB-166	N06045
46		SB-167	N06045
46		SB-168	N06045
46		SB-366	N06045
46		SB-366	N08330
46		SB-366	N12160
46		SB-435	N12160
46		SB-511	N08330
46		SB-516	N06045
46		SB-517	N06045
46		SB-535	N08330
46		SB-536	N08330
46		SB-564	N06045

P-No.	Grp. No.	Spec. No.	Type, Grade, or UNS No.
Nickel and Nickel-Base Alloys (Cont'd)			
46		SB-564	N12160
46		SB-572	N12160
46		SB-619	N12160
46		SB-622	N12160
46		SB-626	N12160
46		SB-710	N08330
47		SB-366	N06230
47		SB-435	N06230
47		SB-564	N06230
47		SB-572	N06230
47		SB-619	N06230
47		SB-622	N06230
47		SB-626	N06230
Titanium and Titanium-Base Alloys			
51		SB-265	R50250
51		SB-265	R50400
51		SB-265	R52250
51		SB-265	R52252
51		SB-265	R52400
51		SB-265	R52402
51		SB-338	R50250
51		SB-338	R50400
51		SB-338	R52400
51		SB-338	R52402
51		SB-348	R50250
51		SB-348	R50400
51		SB-348	R50402
51		SB-348	R52400
51		SB-363	R50250
51		SB-363	R50400
51		SB-363	R52400
51		SB-367	R50400
51		SB-381	R50250
51		SB-381	R50400
51		SB-381	R50402
51		SB-381	R52400
51		SB-861	R50250
51		SB-861	R50400
51		SB-861	R52400
51		SB-862	R50250
51		SB-862	R50400
51		SB-862	R52400
52		SB-265	R50550
52		SB-265	R53400
52		SB-338	R50550
52		SB-338	R53400
52		SB-348	R50550
52		SB-348	R53400

01
A02

APPENDIX D — NONMANDATORY P-NUMBER LISTING (CONT'D)

P-No.	Grp. No.	Spec. No.	Type, Grade, or UNS No.
Titanium and Titanium-Base Alloys (Cont'd)			
52		SB-363	R50550
52		SB-363	R53400
52		SB-367	R50550
52		SB-381	R50550
52		SB-381	R53400
52		SB-861	R50550
52		SB-861	R53400
52		SB-862	R50550
52		SB-862	R53400
53		SB-265	R56320
53		SB-338	R56320
53		SB-348	R56320
53		SB-363	R56320
53		SB-381	R56320
53		SB-861	R56320
53		SB-862	R56320
Zirconium and Zirconium-Base Alloys			
61		SB-493	R60702
61		SB-523	R60702
61		SB-550	R60702
61		SB-551	R60702
61		SB-658	R60702
62		SB-493	R60705
62		SB-523	R60705
62		SB-550	R60705
62		SB-551	R60705
62		SB-658	R60705