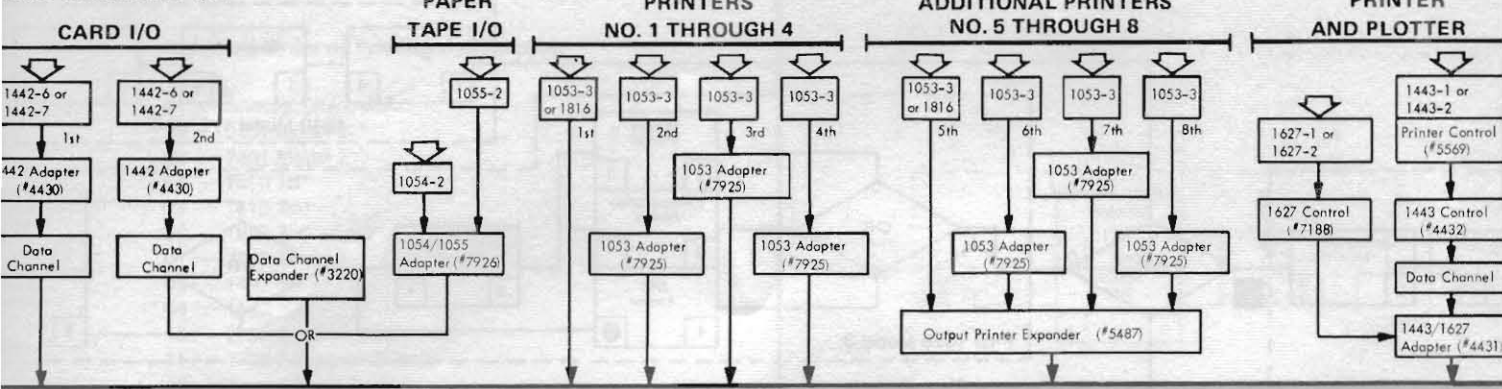


DATA PROCESSING I/O

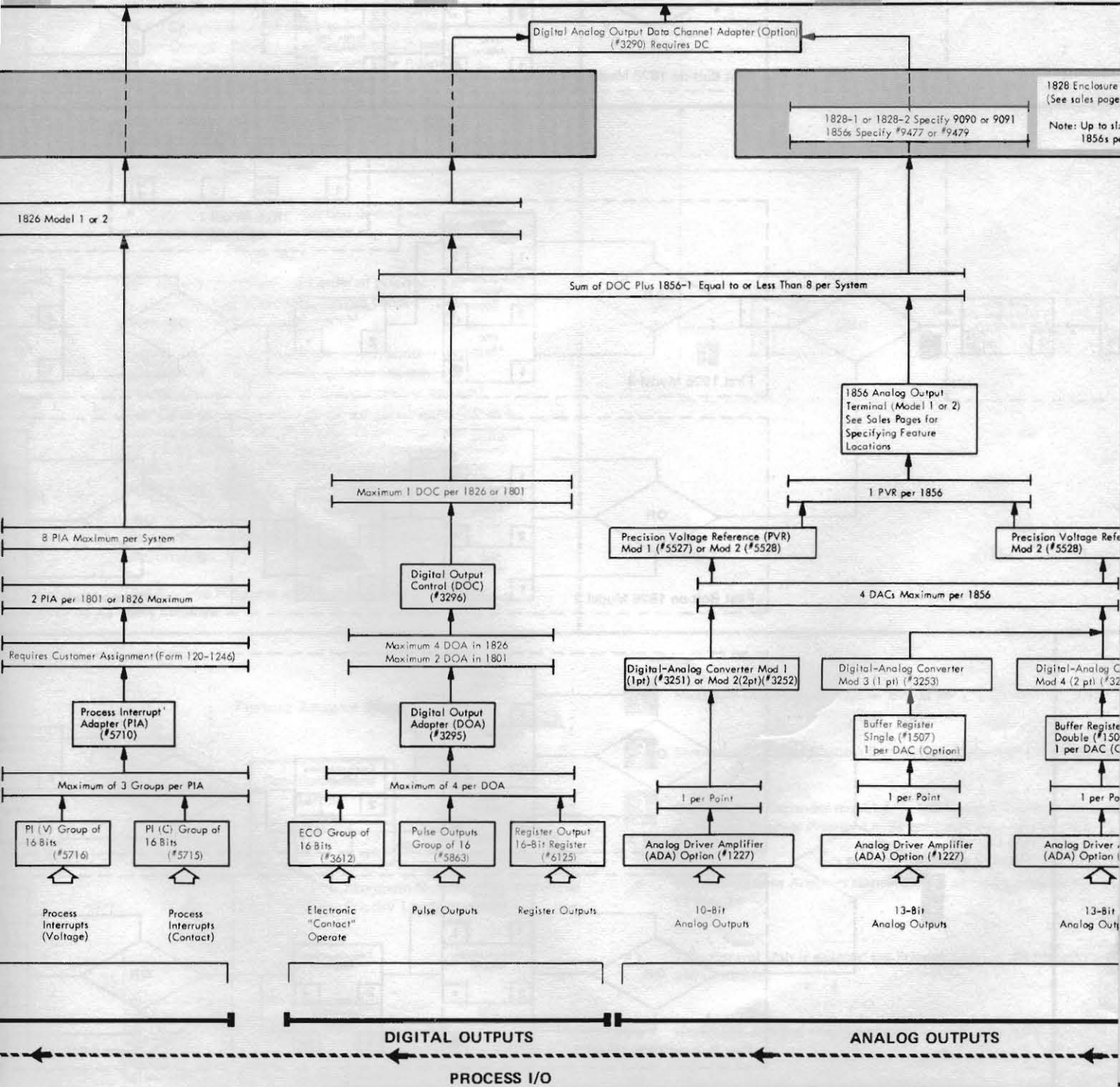


1801/1802 PROCESSOR-CONTROLLER

Type	Speed	Size
1801-1	4 μsec	4, 8, 16, 24, 32 K words
1801-2	2 μsec	4, 8, 16, 24, 32 K words
1802-1	4 μsec	4, 8, 16, 24, 32 K words
1802-2	2 μsec	4, 8, 16, 24, 32 K words
1801	2.25 μsec	4, 8, 16, 24, 32 K words
1802	2.25 μsec	24 K words

OPTIONAL FEATURES

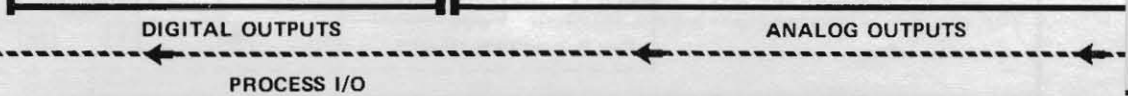
- (#4709) Group of 6 Additional Interrupt Levels - Max. 2 Groups
- (#3222) Additional Data Channel (max: 6)
- Up to 4 Digital I/O Adapters in 1801
- Data Channel Expander (#3220) Required
- See sales pages for Data Channel and Inter Requires Assignment Form No. 120-1241



DIGITAL OUTPUTS

ANALOG OUTPUTS

PROCESS I/O

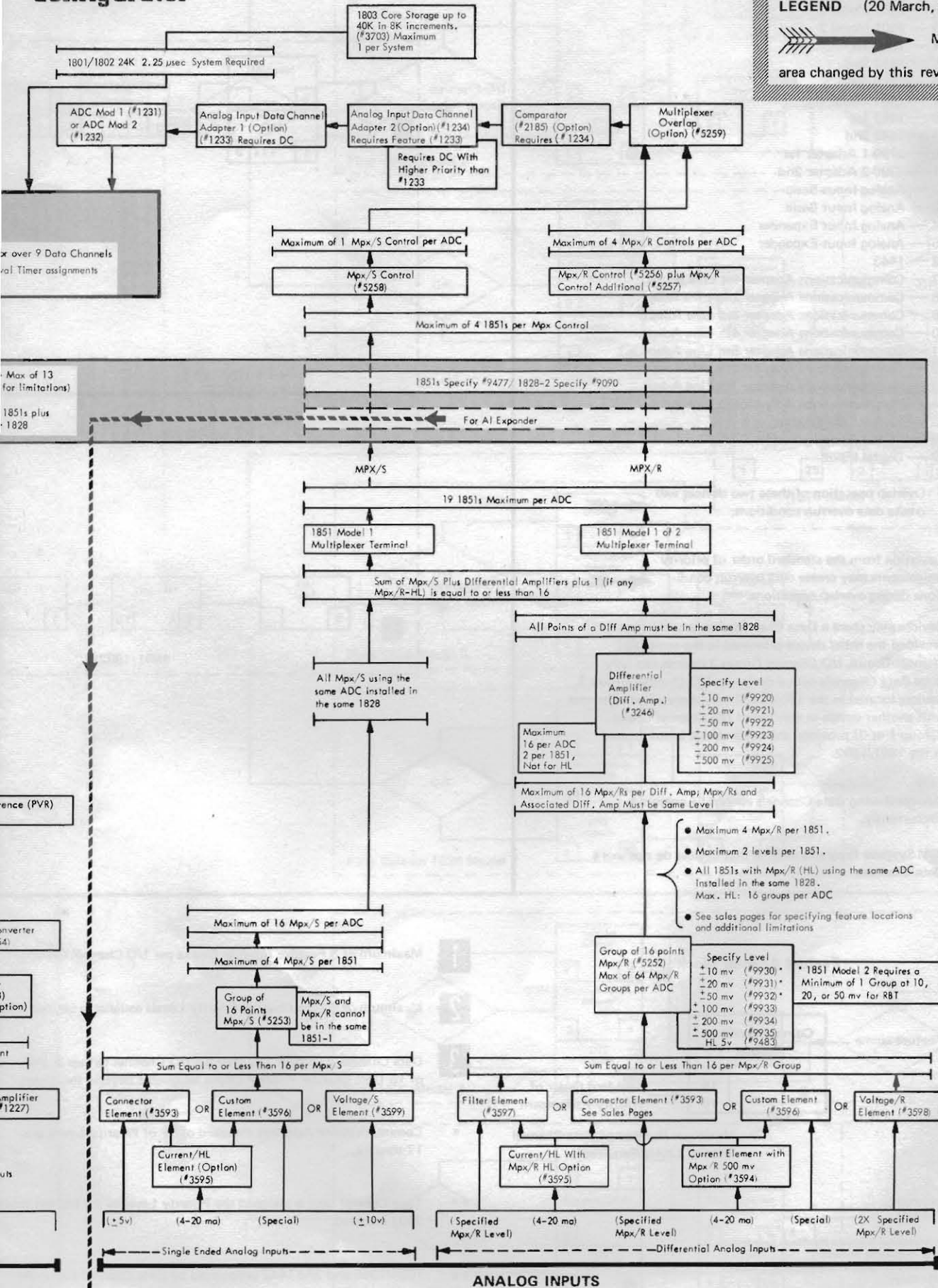




## Configurator

LEGEND (20 March, 1970)

Marks area changed by this revision.



### ANALOG INPUTS



### Standard Order of Priority Assignments

- 01 — Selector Channel \*
- 02 — 2401 Model 3 \*
- 03 — 2401 Model 2
- 04 — 1810 1st
- 05 — 1810 2nd
- 06 — 1810 3rd
- 07 — 2401 Model 1
- 08 — 1442 1st
- 09 — 1442 2nd
- 10 — 2790-1 Adapter 1st
- 11 — 2790-2 Adapter 2nd
- 12 — Analog Input Basic
- 13 — Analog Input Basic
- 14 — Analog Input Expander
- 15 — Analog Input Expander
- 16 — 1443
- 17 — Communications Adapter 1st Line Adapt.
- 18 — Communications Adapter 2nd Line Adapt.
- 19 — Communications Adapter 3rd Line Adapt.
- 20 — Communications Adapter 4th Line Adapt.
- 21 — Communications Adapter 5th Line Adapt.
- 22 — Communications Adapter 6th Line Adapt.
- 23 — Communications Adapter 7th Line Adapt.
- 24 — Communications Adapter 8th Line Adapt.
- 25 — System/360 Adapter
- 26 — Digital / Analog Output
- 27 — Digital Input

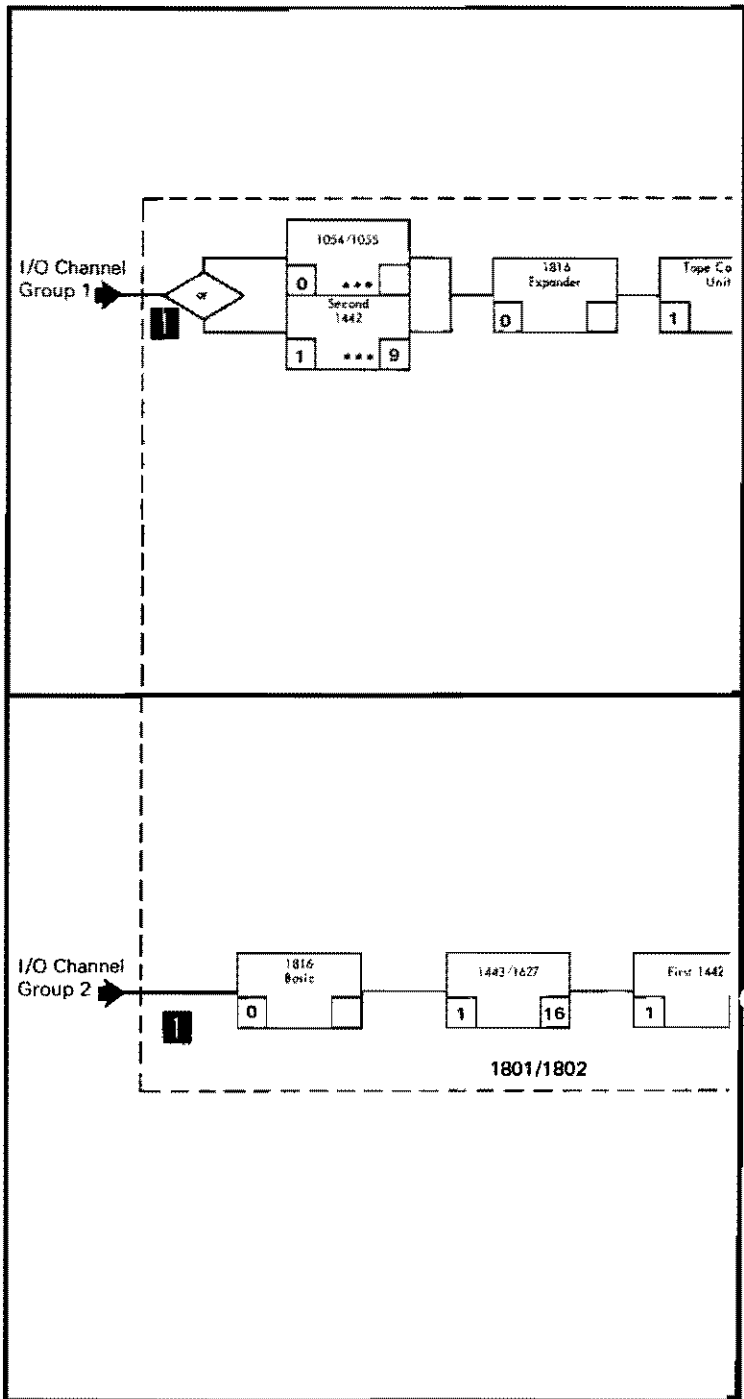
\* Overlap operation of these two devices will create data overrun conditions. ←

Deviation from the standard order of priority assignments may create data overrun conditions during overlap operations. ←

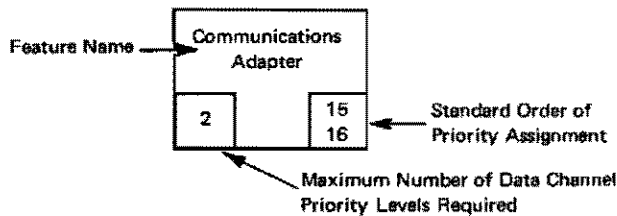
Devices may share a Data Channel with another device provided the other device is located in the same I/O Channel Group. I/O Channel Group 3 devices can only share Data Channels with a device on I/O Channel Group 3. Devices located in the 1801/1802 may share a Data Channel with another device in a different I/O Channel Group (Group 1 or 2) provided the other device is not located in the 1801/1802.

Devices sharing Data Channels cannot be operated concurrently.

IBM Systems Programs assume that devices do not share Data Channels.



### Feature Adapter Block



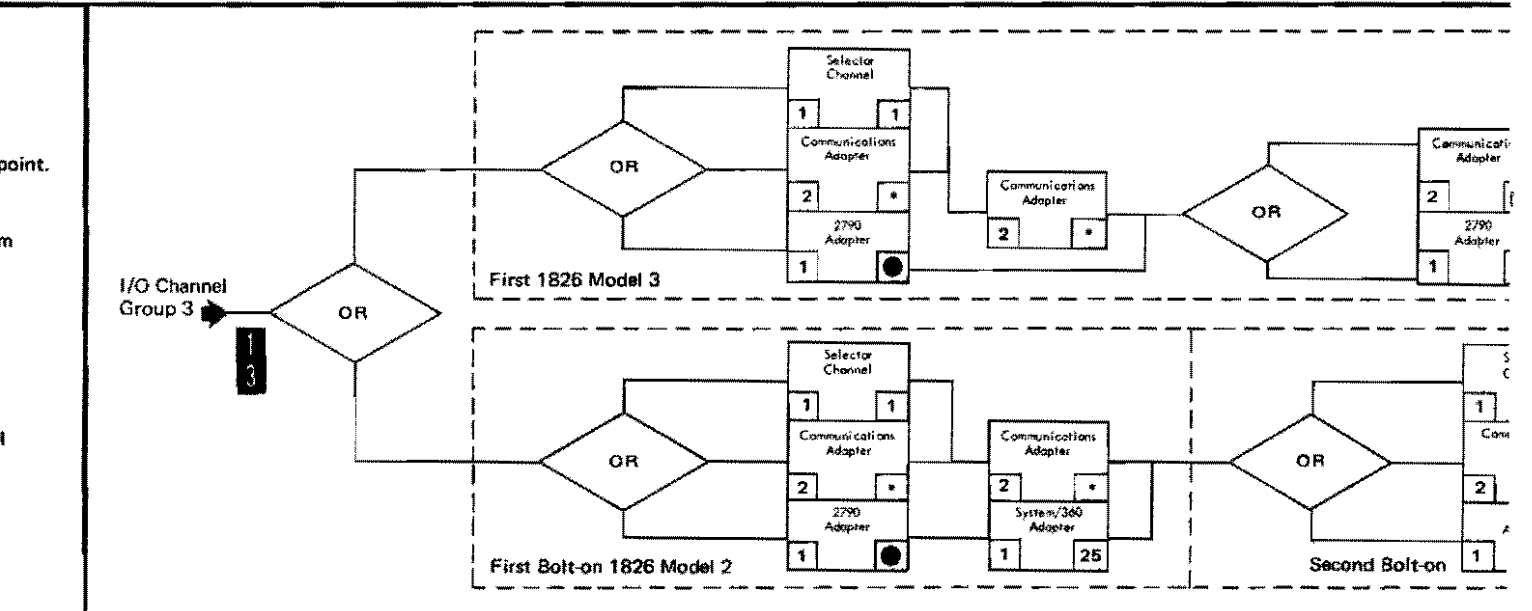
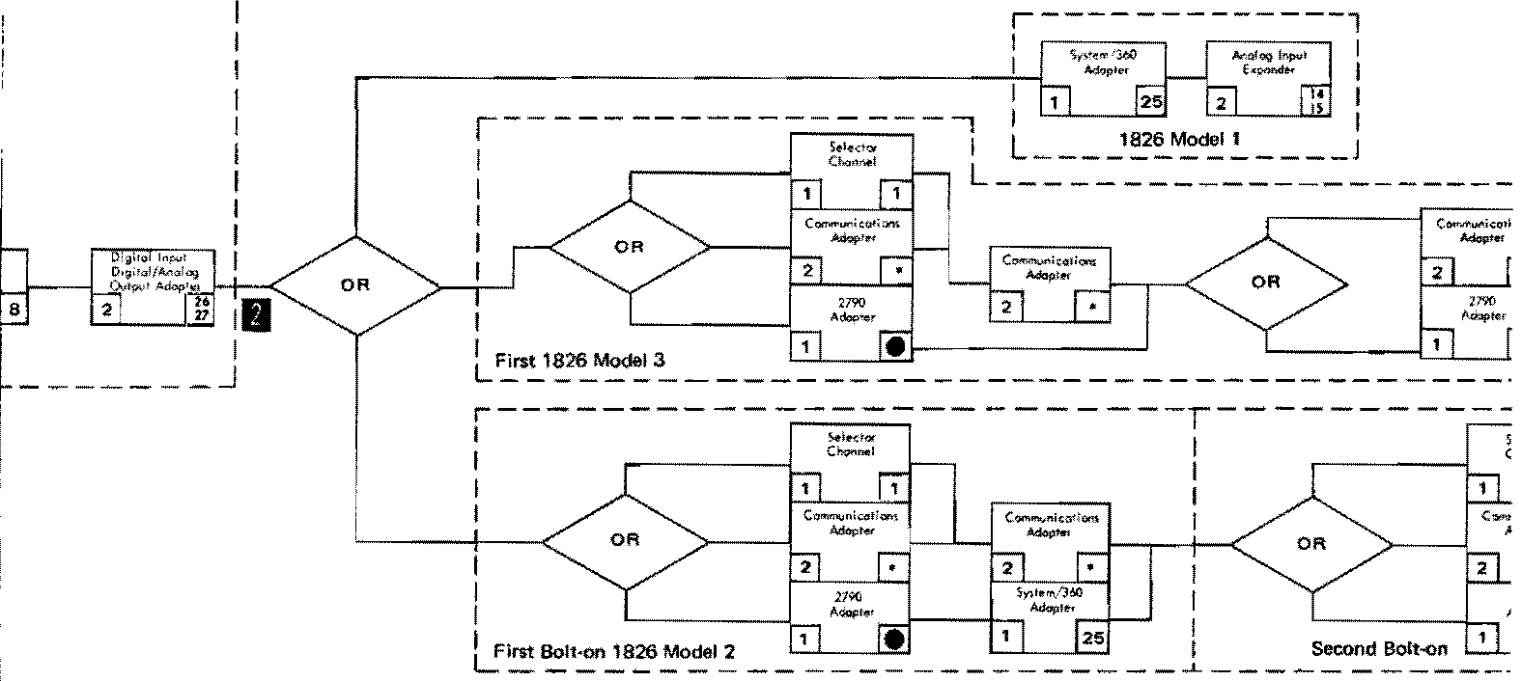
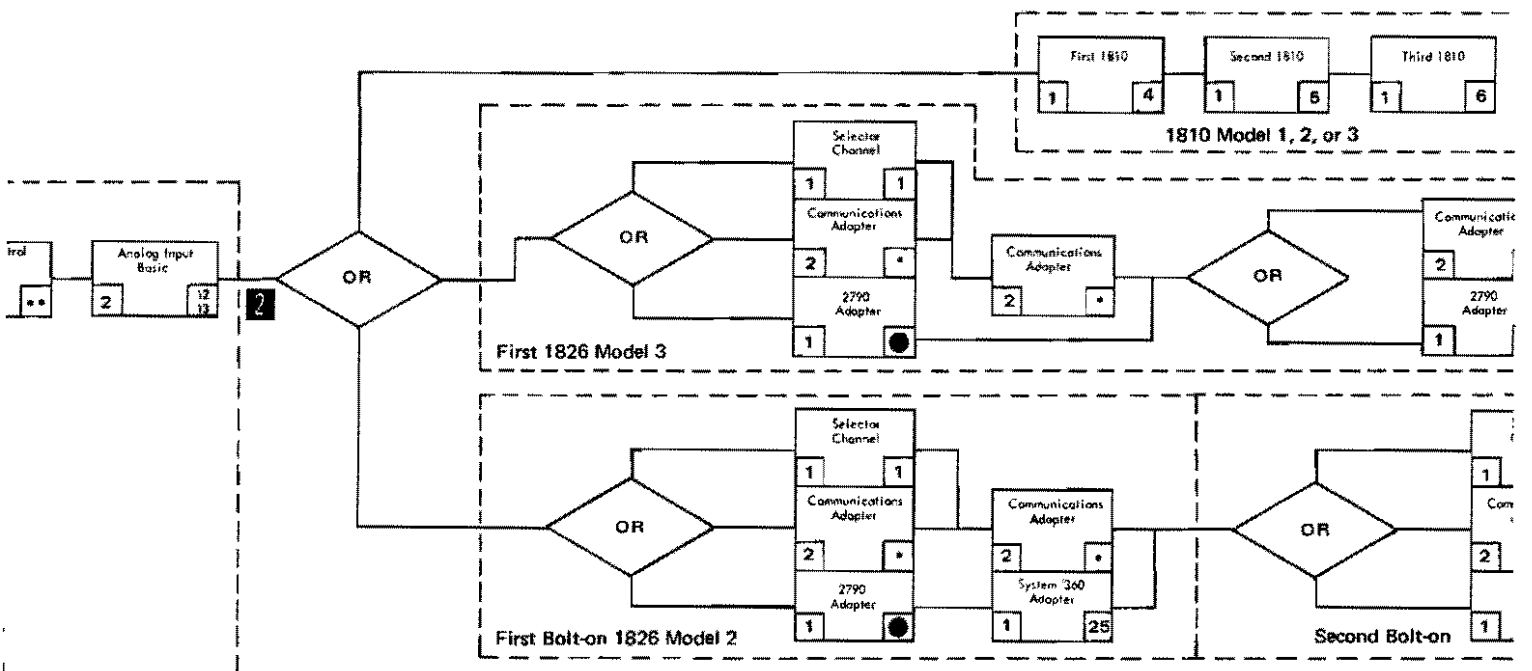
- 1** Maximum of 8 Feature Adapter Blocks per I/O Channel Groups.
- 2** Maximum of 5 Data Channel Priority Levels assignable beyond this
- 3** Data Channel Expander required for I/O Channel Group 3. Maximum of 15 Data Channel Priority Levels assignable beyond this point.
- \* Communications Adapters standard order of Priority Levels are 17 thru 24.
- \*\* Tape Control Unit is assigned the Priority Level of the highest mode 2401 installed.
- \*\*\* 1054/1055 and 2nd 1442 preempted by Data Channel Expander.
- 2790 Adapters standard order of Priority Levels are 10 and 11.

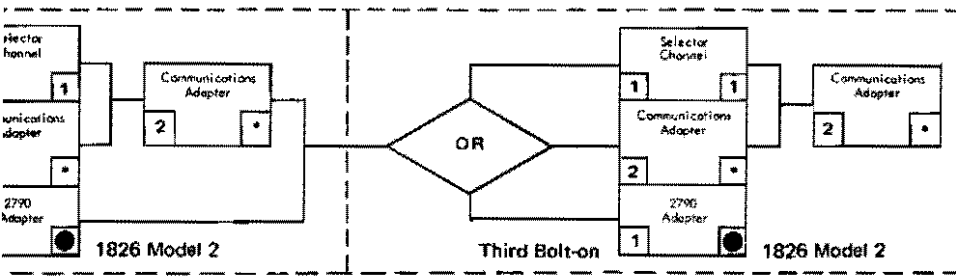
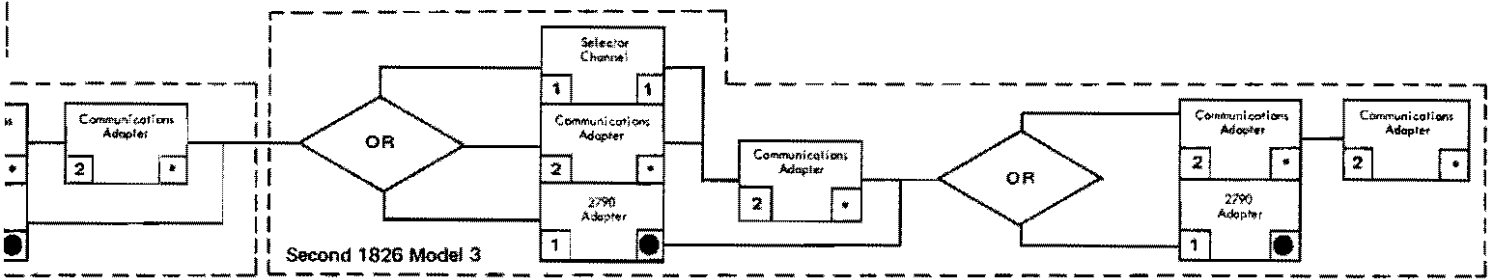


International Business Machines Corporation  
Data Processing Division  
112 East Post Road, White Plains, N.Y. 10601  
[USA Only]

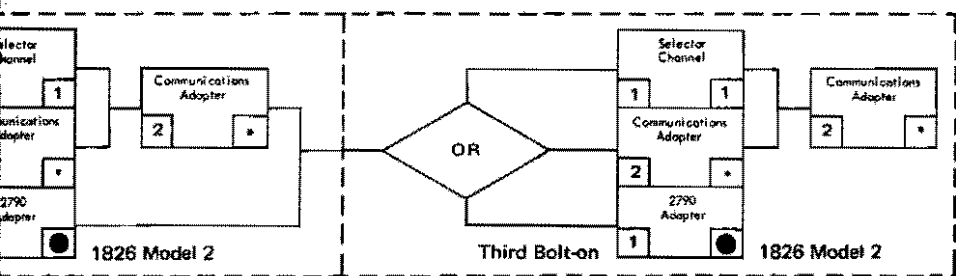
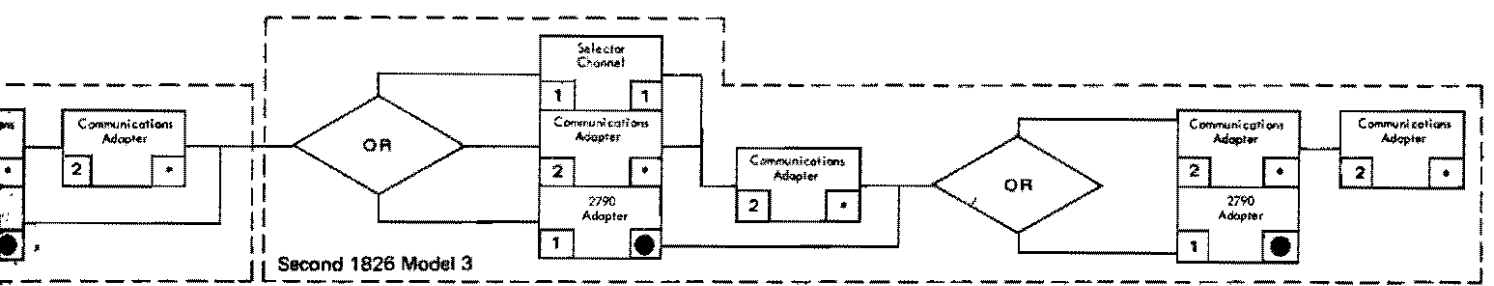
IBM World Trade Corporation  
921 United Nations Plaza, New York, New York 10017  
[International]

# 1800 System Feature Assignments

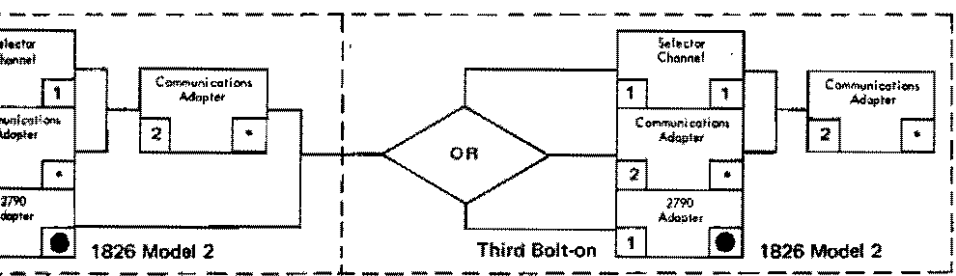
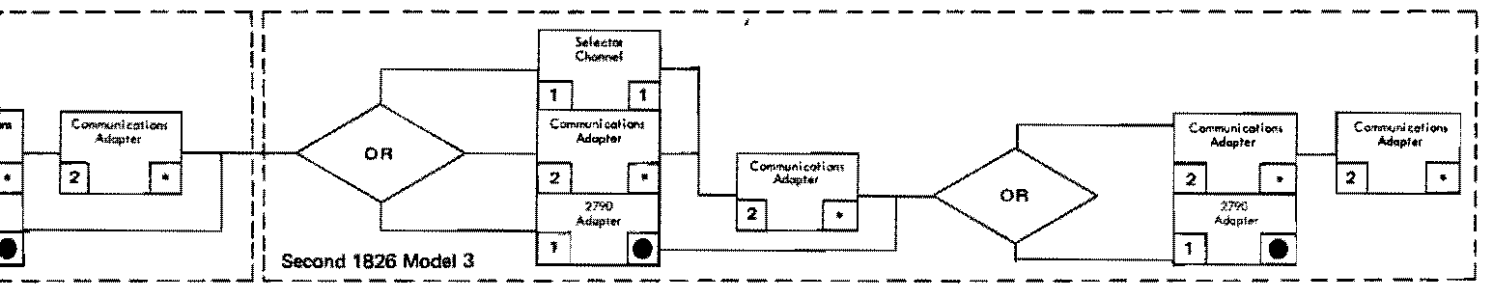




Specify Code 9311



Specify Code 9312



Specify Code 9313