

Name: NewCrew		Code: NCR	
Offset	Type	Length	Description
0	char[3]	3	NCR
3	uint32	4	Following Message Length (total - 7)
7	uint64	8	ID
15	uint16	2	Name Length (NL)
17	char[]	NL	Name
17+NL	uint16	2	Age
19+NL	char[]	12	Phone Number
31+NL	uint16	2	Email Length (EL)
33+NL	char[]	EL	Email Address
33+NL+EL	uint16	2	Practice
35+NL+EL	char	1	Role
Total size:		36+NL+EL	

Name: NewPassenger		Code: NPA	
Offset	Type	Length	Description
0	char[3]	3	NPA
3	uint32	4	Following Message Length (total - 7)
7	uint16	8	ID
15	uint16	2	Name Length (NL)
17	char[]	NL	Name
17+NL	uint16	2	Age
19+NL	char[]	12	Phone Number
31+NL	uint16	2	Email Length (EL)
33+NL	char[]	EL	Email Address
33+NL+EL	char	1	Class
34+NL+EL	uint64	8	Miles
Total size:		42+NL+EL	

Name: NewCargo		Code: NCA	
Offset	Type	Length	Description
0	char[3]	3	NCA
3	uint32	4	Following Message Length (total - 7)
7	uint64	8	ID
15	single	4	Weight
19	char[]	6	Code
25	uint16	2	Description Length (DL)
27	char[]	DL	Description
Total size:		27+DL	

Name: NewCargoPlane		Code: NCP	
Offset	Type	Length	Description
0	char[3]	3	NCP
3	uint32	4	Following Message Length (total - 7)
7	uint64	8	ID
15	char[]	10	Serial
25	char[]	3	ISO Country Code
28	uint16	2	Model Length (ML)
30	char[]	ML	Model
30+ML	single	4	Max Load
Total size:		34+ML	

Name: NewPassengerPlane		Code: NPP	
Offset	Type	Length	Description
0	char[3]	3	NPP
3	uint32	4	Following Message Length (total - 7)
7	uint64	8	ID
15	char[]	10	Serial
25	char[]	3	ISO Country Code
28	uint16	2	Model Length (ML)
30	char[]	ML	Model
30+ML	uint16	2	FirstClassSize
32+ML	uint16	2	BusinessClassSize
34+ML	uint16	2	EconomyClassSize
Total size:		36+ML	

Name: NewAirport		Code: NAI	
Offset	Type	Length	Description
0	char[3]	3	NAI
3	uint32	4	Following Message Length (total - 7)
7	uint64	8	ID
15	uint16	2	NameLength (NL)
17	char[]	NL	Name
17+NL	char[]	3	Code
20+NL	single	4	Longitude
24+NL	single	4	Latitude
28+NL	single	4	AMSL
32+NL	char[]	3	ISO Country Code
Total size:		35+NL	

Name: NewFlight		Code: NFL	
Offset	Type	Length	Description
0	char[3]	3	NFL
3	uint32	4	Following Message Length (total - 7)
7	uint64	8	ID
15	uint64	8	Origin as ID
23	uint64	8	Target as ID
31	int64	8	Takeoff time as number of ms since EPOCH (UTC)
39	int64	8	Landing time as number of ms since EPOCH (UTC)
47	uint64	8	PlaneID
55	uint16	2	Crew Count (CC)
57	uint64[]	8*CC	Crew
57+8*CC	uint16	2	Passengers/Cargo Count (PCC)
59+8*CC	uint64[]	8*PCC	Passengers/Cargo
Total size:		59+8*CC+8*PCC	

All messages are in binary format. Fields order and offset is as specified above.

All integers and unsigned integers are Little Endian.

char and char[] consists only of ASCII characters, char has size of one byte.

