ERGONOMICS AND COMMUNICATIONS

TEST OBJECTIVE

Rate each test vehicle's ability to:

1. Provide a suitable environment for the patrol officer in the performance of his/her assigned tasks.

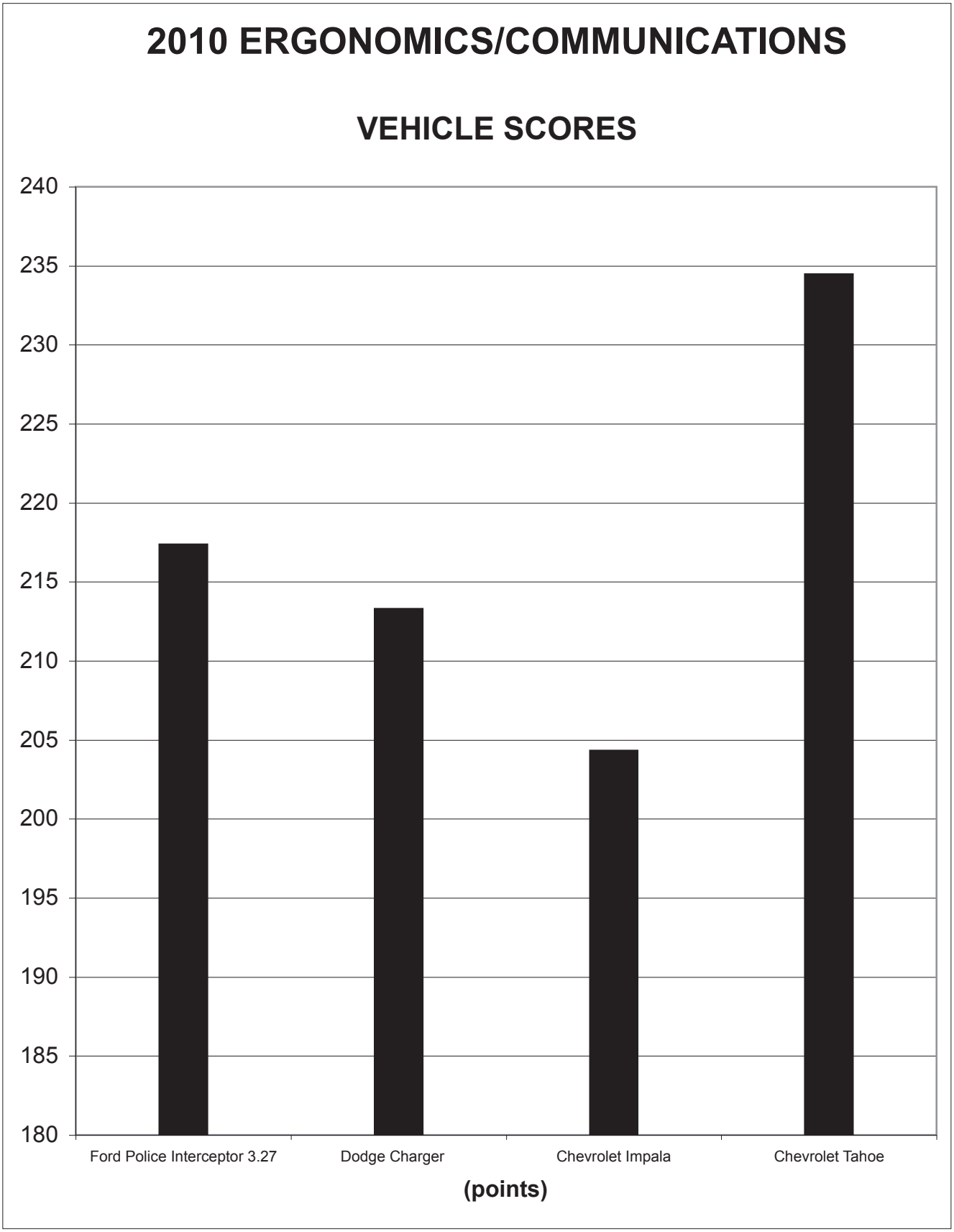
2. Accommodate the required communications and emergency warning equipment and assess the relative difficulty of such installations.

TEST METHODOLOGY

Utilizing the ergonomics portion of the form, a minimum of four officers (in this case 6) individually and independently compare and score each test vehicle on the various comfort, instrumentation, and visibility items. The installation and communications portion of the evaluation is conducted by personnel from DIT Communications, based upon the relative difficulty of the necessary installations. Each factor is graded on a 1 to 10 scale, with 1 representing "totally unacceptable," 5 representing "average," and 10 representing "superior." The scores are averaged to minimize personal prejudice for or against any given vehicle.

ERGONOMICS AND COMMUNICATIONS

ERGONOMICS	Ford Police Interceptor	Dodge Charger	Chevrolet Impala 9C1	Chevrolet Tahoe PPV
FRONT SEAT				
Padding	7.83	7.83	7.50	8.67
Depth of Bucket Seat	7.33	7.50	7.67	8.50
Adjustability – Front to Rear	9.00	8.67	8.00	8.67
Upholstery	8.00	7.83	7.00	8.17
Bucket Seat Design	7.50	8.00	7.33	8.50
Headroom	8.33	8.33	7.33	9.83
Seatbelts	6.83	8.50	8.33	8.33
Ease of Entry and Exit	7.50	8.00	5.83	9.17
Overall Comfort Rating	7.67	8.00	7.17	9.00
REAR SEAT				
Leg room – Front seat back	6.33	7.00	4.83	8.67
Ease of Entry and Exit	6.17	6.33	4.50	8.67
INSTRUMENTATION				
Clarity	7.33	8.67	8.67	9.00
Placement	8.17	8.33	8.50	9.00
VEHICLE CONTROLS				
Pedals, Size and Position	8.67	8.33	7.83	8.83
Power Window Switch	8.17	8.33	8.33	8.83
Inside Door Lock Switch	8.33	7.33	6.83	8.83
Automatic Door Lock Switch	8.50	7.33	6.67	8.50
Outside Mirror Controls	8.00	8.00	7.67	9.17
Steering Wheel, Size, Tilt Release, and Surface	8.17	7.17	8.50	9.00
Heat/AC Vent Placement and Adjustability	8.17	8.33	8.50	8.50
VISIBILITY				
Front (Windshield)	8.50	8.67	8.83	8.83
Rear (Back Window)	8.33	7.00	7.00	7.17
Left Rear Quarter	8.17	7.00	7.33	6.83
Right Rear Quarter	8.17	6.83	7.33	6.83
Outside Rear View Mirrors	8.17	8.00	7.17	8.83
COMMUNICATIONS				
Dashboard Accessibility	6.44	6.17	5.83	6.28
Trunk Accessibility	6.80	6.13	7.27	7.20
Engine Compartment	6.78	5.67	6.56	6.67
TOTAL SCORES	**217.36**	**213.28**	**204.31**	**234.48**


2010 ERGONOMICS/COMMUNICATIONS
VEHICLE SCORES
240
235
230
225
220
215
210
205
200
195
190
185
180
Ford Police Interceptor 3.27
Dodge Charger
Chevrolet Impala
Chevrolet Tahoe
(points)