Table 19. Communication architecture technology tradeoffs.

Selected Architecture	Technology	Coverage	Infrastructure in Place	Frequency Allocation	End-User Cost	Intangibles
	LPHAR	to 0.5 km	No	N/A	None	Driver Actions
1	220-222 MHz	to 322 km	No	IVHS License	Low	Mobile Alert Zones
	HAR	to 3.2 km	No	TIS License	None	Driver Actions
2	RBDS/SCA	Regional	Qualified	Lease/Own	Low	Own FM Freq.
	SAP	Regional	Qualified	Lease	Low	Uncertain Future
	T-net	Regional	Qualified	Lease	Low	Uncertain Future
	Analog Cellular	Urban: 3-32 km	Urban	Lease	Very High	Saturation
	Iridium	National: 599 km	Future - 1997	Lease	Very High	Wrong Application
	Impulse	to 16 km	No	TBD	Very High	Uncertain Future
	Packet-Data WAN	Urban: 3-32 km	Some Urban	Lease	Very High	Saturation
	Trunk Radio	Urban: 3-32 km	Urban	Lease/License	Very High	Saturation
	Shared Channel	Urban: 3-32 km	Some Urban	Lease/License	Very High	Saturation
	Microwave	to 48 km	No	Lease/License	Very High	Wrong Application

Selected Architecture	Technology	Coverage	Infrastructure in Place	Accuracy	End-User Cost	Intangibles
1	GPS	Worldwide	Yes	15 m	High	Differential
2	PINS	National	Qualified	15 m	Low	Simplicity
	LORAN-C	Worldwide	Yes	402 m	Very High	Air/Sea Nav.