

Table 4. Combined system alternatives that improve performance*

	LED Lights MEMS 30.6	Shutters MEMS 30.6	Ser Num LED Lights 30.6	Ser Num MEMS 30.6
Normal Operations				
Identifiable	1	1	1	1
Backup	1	1	1	1
Class Div UN #	1.1	1.1	1.1	1.1
Enforcement	1	1	1	1
Car Spotting	1	1	1	1
Compliance	1	1	1	1
Verification	1	1	1	1
Safety Measures	1	1	1	1
Initiates EM Plan	1	1	1	1
Commodity Flow	1.1	1.1	1.1	1.1
In Transition (first 15-30 min)	53.1	51.3	53.1	42.5
Scan from Distance	1.1	1	1.1	1.1
Locate Haz Mat	1.1	1	1.1	1
First Source	1.1	1	1.1	1
Establish Action	1	1	1	1
Class Div UN #	1.1	1.1	1.1	1.1
Redundancy	1	1	1	0
Public Warning	1	1	1	0.5
Car Content	1.1	1.1	1.1	1.1
Emergency Operations	20.0	20.0	20.0	17.5
Scene Management	1	1	1	1
Identify Peripheral Haz Mat	1	1	1	1
Locat Haz Mat	1	1	1	1
Continuing Assessment	1	1	1	0.5
Total Assessment	103.7	101.9	103.7	90.6
% improvement*	13.5%	20.7%	13.5%	7.4%

1.0 = X = meets standards

0.5 = @ = meets standards with exceptions

0.0 = O = examined but does not meet standards

1.1 = XX = exceeds standards

* improvement is defined in terms of the best of the two alternatives being combined.

SHADED ALTERNATIVES NOT RECOMMENDED FOR FURTHER STUDY.