

NEW ENGLAND - REGION 19 SCORING MATRIX - WORKSHEET

SCORING MATRIX

In order to evaluate competing applications within the Region, applications will be scored utilizing the following criteria:

- service,
- inter-systems communications,
- loading,
- spectrum efficient technology,
- systems implementation factors,
- geographic efficiency, and
- givebacks.

Point values for each criteria have been established and are listed below. For each window period, applications will be scored and listed in order of points awarded. Spectrum allocations will be awarded based upon the priority listing resulting from the award of points. In the event of a tie score, the date of receipt of the application will serve as the tiebreaker.

1. Service (Maximum Score - 720 Points)

The point value for the service category is determined by allocation of points as determined by the scoring for the particular service as listed in Table 1.1. For those multiple agency combinations, the awarded points are a function of the combined points for the respective services. Combined agency systems will be scored with the combined points of the two highest point valued agency scores. A multiple agency system with more than two agencies will benefit from the combination of points. A multiple agency system with more that two agencies will not receive an excessive point value under this approach, thereby minimizing any potential for token agency participation for the purpose of raising the point value. Assuming a hypothetical system of a combined police and fire (each agency categorized as A or 360 points each), the maximum points awarded would be 720 (360 + 360). A multiple agency system with combinations of lower point values would not be able to be scored higher than that single agency public safety system. The combination of D+C- or C-+ C, or D+C would only be, at the highest combination, 180 points (C- + C), which would be less than a B or A- or A single agency system. (See attached point combinations - Table 1.2)

Organizations are categorized by a letter value that equates to points. The letter value point scores are as follows:

- A = 360 points
- A- = 300 points
- B = 240 points
- B- = 180 points
- C = 120 points
- C- = 60 points
- D = 30 points

2. Intersystem Communications (Maximum score - 100 points)

Scoring for this section is based upon the degree of interoperability between government hierarchy levels and emergency services during times of an emergency. Applicants will be awarded points for the degree of interoperability demonstrated. Applicants shall indicate how the proposed system will achieve interoperability; specific information regarding the technology or method used must be submitted.

- Proposed systems providing for state, federal and local interoperability will be awarded 100 points;
- Proposed systems providing for state and local interoperability will be awarded 75 points;
- Proposed systems providing for only local interoperability will be awarded 50 points;
- Systems with no proposed interoperability will not receive any points in this category.

3. Loading (Maximum score - 150 points)

Is the system part of a cooperative, multi-organization system? Is the application an expansion of an existing 700, 806 and/or 821MHz system? Have all 806 and/or 821 channels been assigned (where technically feasible)? A showing of maximum efficiency or a demonstration of the system's mobile usage pattern will be required in addition to loading information. Additional factors to be considered are population, number of units, number of talk groups. Points are awarded in this category based upon the following criteria:

- For a statewide system, 150 points;
- For a multi-town system, 100 points;
- For a multi-agency system (single town), 50 points;
- For an all governmental agencies in a single jurisdiction, 125 points;
- For a cooperative system with less than all services, 25 points.

4. Spectrum Efficient Technology (Maximum score - 350 points)

How spectrally efficient is the system's technology? For voice systems the following criteria will be used. Trunked systems are considered efficient as are any technological systems feature which is designed to enhance the efficiency of the system and provide for the efficient use of the spectrum. Points are awarded in this category based upon the following criteria:

- For a trunked system, 150 points;
- For a non-trunked system, no points will be awarded;
- For a system utilizing 6.25kHz spacing, 100 points will be awarded;
- For a system utilizing 12.5kHz spacing, 50 points will be awarded;
- For a system utilizing 25kHz spacing, 0 points will be awarded;
- For a digital system, 50 points will be awarded;
- For an analog system, 0 points will be awarded;
- For a system with a low ERP (less than 200 watts), 50 points will be awarded;
- For a system with a high ERP (greater than 200 watts), no points will be awarded.

For data only systems the following criteria will be used;

- For 50 kHz systems, 200 points will be awarded;
- For 100 kHz systems, 100 points will be awarded;
- For 150 kHz systems, 50 points will be awarded;
- For digital systems, 50 points will be awarded;

- For data analog systems, 0 points will be awarded.

5. Systems Implementation Factors (Maximum score 100 points)

Scoring for this section is based upon funding and system planning. Applicants must provide complete engineering design and a construction/implementation schedule. If the proposed system is intended to be implemented under a slow growth (within the next five years), plan a statement to that effect must be included. If slow growth is not sought, a time table must be included that clearly defines the implementation schedule. The Chief Elected Official or the Chief Executive Officer of the organization submitting the application must submit funding documentation. The funding documentation must clearly state the funding source and must match the implementation schedule. Points in this category are awarded as follows:

- For a complete engineering design, 25 points;
- For an incomplete or no engineering design, minus 25 points;
- For a valid budget commitment, 25 points;
- For no budget commitment minus, 25 points;
- For proof of site acquisition or proof of existing site ownership, 25 points;
- For no site acquisition, minus 25 points;
- For signed CEO letter, 25 points;
- For failure to submit 20 copies, minus 25 points.

6. Geographic Efficient (Maximum Score - 100 points)

Scoring for this section is based upon the ratio of subscriber units (mobiles) to area covered and the channel reuse potential. The higher the ratio (mobiles divided by square miles of coverage), the more efficient the use of the frequencies. Those systems which cover large geographic areas will have a greater potential for channel reuse and will therefore receive a higher score in this subcategory. Points awarded in this category are as follows:

- For a statewide system, 100 points;
- For a county or regional system, 75 points;
- For a city/town system, 50 points;
- For a partial town/city system, minus 50 points.

7. Givebacks (Maximum score - 200 points)

Consider the number of channels given back, frequency band and bandwidth. Consider the extent of availability and usability of those channels to others. Points awarded in this category are awarded as follows:

- For low band givebacks, 50 points;
- For high band givebacks, 100 points;
- For UHF givebacks, 200 points;
- For 800Mhz givebacks, 200 points;
- For no give backs, minus 50 points;
- For long term give backs, minus 25 points.

In no case shall the total exceed the maximum value for this category. In the event the point combinations for givebacks exceed 200 points, only the maximum value of 200 will be assigned.

Point Summary

1. Service	(Maximum score, 720 points)
2. Intersystem Communications	(Maximum score, 100 points)
3. Loading	(Maximum score, 150 points)
4. Spectrum Efficient Technology	(Maximum score, 350 points)
5. Systems Implementation Factors	(Maximum score, 100 points)
6. Geographic Efficient	(Maximum score, 100 points)
7. Givebacks	(Maximum score, 200 points)
<u>Total Possible Points - Sum of All Categories</u>	<u>1,720 points</u>

TABLE 1.1 - SERVICE CATEGORY CODES

<u>Service</u>	<u>Code</u>
Police	A
Auxiliary Police	A
Fire	A
Municipal Emergency Medical	A
Volunteer Rescue	A
Ambulance Service - Public Safety	A
Highway	A-
Forest Fire	A-
All Government	B
Security Patrol	B
Emergency Management	B
Conservation	B
Hospital	B
Disaster Relief Organizations	B
Transit Systems	B-
All Medical Services	B-
Utility Boards	C
School Boards	C
Invalid Coach	C
Physically Disabled	C
School Buses	C
Private	C
Public	C
OEM Evacuation Transit	C
Beach Patrol	C
Communications Standby Fac.	C
Repair of Communications	C
Maintenance	C-
Physicians	C-
Veterinarians	C-
Non-Governmental	D

TABLE 1.2
SCORING POINT VALUES

<u>Multiple Agency Combinations</u>	<u>Maximum Points</u>
A+A	720
A+A-	660
A+B	600
A+B-	540
A+C	480
A+C-	420
A+D	390
A- + A-	600
A- +B	540
A- +B-	480
A- +C	420
A- +C-	360
A- +D	330
B+B	600
B+B-	420
B+C	360
B+C-	300
B+D	270
B- + B-	360
B- + C	300
B- + C-	240
B- + D	240
C+C	180
C+C-	150
D+D	60