

GRADING FORMULA

GRADING SYSTEM OVERVIEW:

- The purpose is to quantify the progress of each organization.
- Each organization received a percentaged grade based on the actual progress compared to the expected progress of their recommendations.
- Formula used: Percentage grade for party N = (Actual Result/ Expected Result)

POINTS SYSTEM:

Long-term Green	8
Medium-term Green	7
Short-term Green	6
Long-term Yellow	5
Medium-term Yellow	4
Short-term Yellow	3
Long-term Red	2
Medium-term Red	1
Short-term Red	0

GRADING FORMULA:

INDIVIDUAL PARTY GRADE
EXPECTED RESULT =
(Total number of short-term goals for party N x 6)
+ (Total number of medium-term goals for party N x 4)
+ (Total number of long-term goals for party N x 5)
ACTUAL RESULT =
(Actual number of time-frame and progress combination for party N)
x (Point assigned to that time-frame and progress combination)
PARTY N GRADE =
ACTUAL RESULT ÷ EXPECTED RESULT

OVERALL GRADE

OVERALL GRADE =

THE SUM OF ALL PARTIES' ACTUAL RESULTS

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THE SUM OF ALL PARTIES' EXPECTED RESULTS

CANADA: 81 RECOMMENDATIONS

41= Total short-term recommendations
25= Total medium-term recommendations
15= Total long-term recommendations

41x6=246 (Ideal short-term)
25x4=100 (Ideal medium-term)
15x5=75 (Ideal long-term)

Expected Result = (Number of short-term recommendations assigned x 6) + (number of medium-term recommendations assigned x 4) + (number of long-term recommendations assigned x 5)

246+100+75=421 (Expected result)

LG	8x0=0
MG	7x0=0
SG	6x7=42
LY	5x10=50
MY	4x14=56
SY	3x15=45
LR	2x5=10
MR	1x11=11
SR	0x19=0

0+0+42+50+56+45+10+11+0=214 (Actual score)

214 ÷ 421 = **50.83% ← CANADA GRADE**

ONTARIO: 62 RECOMMENDATIONS

33= Total short-term recommendations
23= Total medium-term recommendations
6= Total long-term recommendations

$33 \times 6 = 198$ (Ideal short-term)
 $23 \times 4 = 92$ (Ideal medium-term)
 $6 \times 5 = 30$ (Ideal long-term)

Expected Result = (Number of short-term recommendations assigned x 6) + (number of medium-term recommendations assigned x 4) + (number of long-term recommendations assigned x 5)

$198 + 92 + 30 = 320$ (Expected result)

LG	$8 \times 0 = 0$
MG	$7 \times 0 = 0$
SG	$6 \times 7 = 42$
LY	$5 \times 6 = 30$
MY	$4 \times 19 = 76$
SY	$3 \times 21 = 63$
LR	$2 \times 0 = 0$
MR	$1 \times 4 = 4$
SR	$0 \times 5 = 0$

$0 + 0 + 42 + 30 + 76 + 63 + 0 + 4 + 0 = 215$ (Actual score)

$215 \div 320 = 67.18\% \leftarrow$ **ONTARIO GRADE**

CITY OF THUNDER BAY: 31 RECOMMENDATIONS

25= Total short-term recommendations
6= Total medium-term recommendations
0= Total long-term recommendations

25x6=150 (Ideal short-term)
6x4=24 (Ideal medium-term)
0x5=0 (Ideal long-term)

Expected Result = (Number of short-term recommendations assigned x 6) + (number of medium-term recommendations assigned x 4) + (number of long-term recommendations assigned x 5)

150+24+0=174 (Expected result)

LG	8x0=0
MG	7x0=0
SG	6x7=42
LY	5x0=0
MY	4x6=24
SY	3x17=51
LR	2x0=0
MR	1x0=0
SR	0x1=0

0+0+42+0+24+51+0+0+0=117 (Actual score)

117÷174 = **67.24% ← CITY OF THUNDER BAY GRADE**

THUNDER BAY POLICE SERVICE: 10 RECOMMENDATIONS

8= Total short-term recommendations
2= Total medium-term recommendations
0= Total long-term recommendations

8x6=48 (Ideal short-term)
2x4=8 (Ideal medium-term)
0x5=0 (Ideal long-term)

Expected Result = (Number of short-term recommendations assigned x 6) + (number of medium-term recommendations assigned x 4) + (number of long-term recommendations assigned x 5)

48+8+0=56 (Expected result)

LG	8x0=0
MG	7x0=0
SG	6x4=24
LY	5x0=0
MY	4x2=8
SY	3x4=12
LR	2x0=0
MR	1x0=0
SR	0x0=0

0+0+24+0+8+12+0+0+0=44 (Actual score)

44÷56 = **78.57%** ← **THUNDER BAY POLICE SERVICE GRADE**

NAN: 26 Recommendations

18= Total short-term recommendations
6= Total medium-term recommendations
2= Total long-term recommendations

$18 \times 6 = 108$ (Ideal short-term)
 $6 \times 4 = 24$ (Ideal medium-term)
 $2 \times 5 = 10$ (Ideal long-term)

Expected Result = (Number of short-term recommendations assigned x 6) + (number of medium-term recommendations assigned x 4) + (number of long-term recommendations assigned x 5)

$108 + 24 + 10 = 142$ (Expected result)

LG	$8 \times 1 = 8$
MG	$7 \times 1 = 7$
SG	$6 \times 6 = 36$
LY	$5 \times 1 = 5$
MY	$4 \times 5 = 20$
SY	$3 \times 7 = 21$
LR	$2 \times 0 = 0$
MR	$1 \times 0 = 0$
SR	$0 \times 5 = 0$

$8 + 7 + 36 + 5 + 20 + 21 + 0 + 0 + 0 = 97$ (Actual score)

$97 \div 142 = 68.31\% \leftarrow \text{NAN GRADE}$

MLC: 24 RECOMMENDATIONS

17= Total short-term recommendations
6= Total medium-term recommendations
1= Total long-term recommendations

$17 \times 6 = 102$ (Ideal short-term)
 $6 \times 4 = 24$ (Ideal medium-term)
 $1 \times 5 = 5$ (Ideal long-term)

Expected Result = (Number of short-term recommendations assigned x 6) + (number of medium-term recommendations assigned x 4) + (number of long-term recommendations assigned x 5)

$102 + 24 + 5 = 131$ (Expected result)

LG	$8 \times 0 = 0$
MG	$7 \times 2 = 14$
SG	$6 \times 8 = 48$
LY	$5 \times 1 = 5$
MY	$4 \times 4 = 16$
SY	$3 \times 8 = 24$
LR	$2 \times 0 = 0$
MR	$1 \times 0 = 0$
SR	$0 \times 1 = 0$

$0 + 14 + 48 + 5 + 16 + 24 + 0 + 0 + 0 = 107$ (Actual score)

$107 \div 131 = 81.68\% \leftarrow$ **MLC GRADE**

NNEC & DFC: 25 RECOMMENDATIONS

17= Total short-term recommendations
7= Total medium-term recommendations
1= Total long-term recommendations

$17 \times 6 = 102$ (Ideal short-term)
 $7 \times 4 = 28$ (Ideal medium-term)
 $1 \times 5 = 5$ (Ideal long-term)

Expected Result = (Number of short-term recommendations assigned x 6) + (number of medium-term recommendations assigned x 4) + (number of long-term recommendations assigned x 5)

$102 + 28 + 5 = 135$ (Expected result)

LG	$8 \times 0 = 0$
MG	$7 \times 2 = 14$
SG	$6 \times 7 = 42$
LY	$5 \times 1 = 5$
MY	$4 \times 5 = 20$
SY	$3 \times 9 = 27$
LR	$2 \times 0 = 0$
MR	$1 \times 0 = 0$
SR	$0 \times 0 = 0$

$0 + 14 + 42 + 5 + 20 + 27 + 0 + 0 + 0 = 108$ (Actual score)

$108 \div 135 = 80\% \leftarrow$ **NNEC & DFC GRADE**

KO: 22 RECOMMENDATIONS

15= Total short-term recommendations
6= Total medium-term recommendations
1= Total long-term recommendations

15x6=90 (Ideal short-term)
6x4=24 (Ideal medium-term)
1x5=5 (Ideal long-term)

Expected Result = (Number of short-term recommendations assigned x 6) + (number of medium-term recommendations assigned x 4) + (number of long-term recommendations assigned x 5)

90+24+5=119 (Expected result)

LG	8x0=0
MG	7x1=7
SG	6x8=48
LY	5x1=5
MY	4x5=20
SY	3x7=21
LR	2x0=0
MR	1x0=0
SR	0x0=0

0+7+48+5+20+21+0+0+0=101(Actual score)

101÷119= **84.87% ← KO GRADE**

OVERALL GRADE FOR ALL RECOMMENDATIONS IN 2017

214+215+117+44+97+107+108+101=1003 (Total actual scores)

421+320+174+56+142+131+135+119=1498 (Total expected results)

$$1003 \div 1498 =$$

67%

OVERALL GRADE