

**Computing RBI Levels for Processing Establishments**  
**William C. Smith**  
**Office of Program Evaluation,**  
**Enforcement & Review**

**Calculating RBI Measure**

**Inherent Risk Measure (IRM)**

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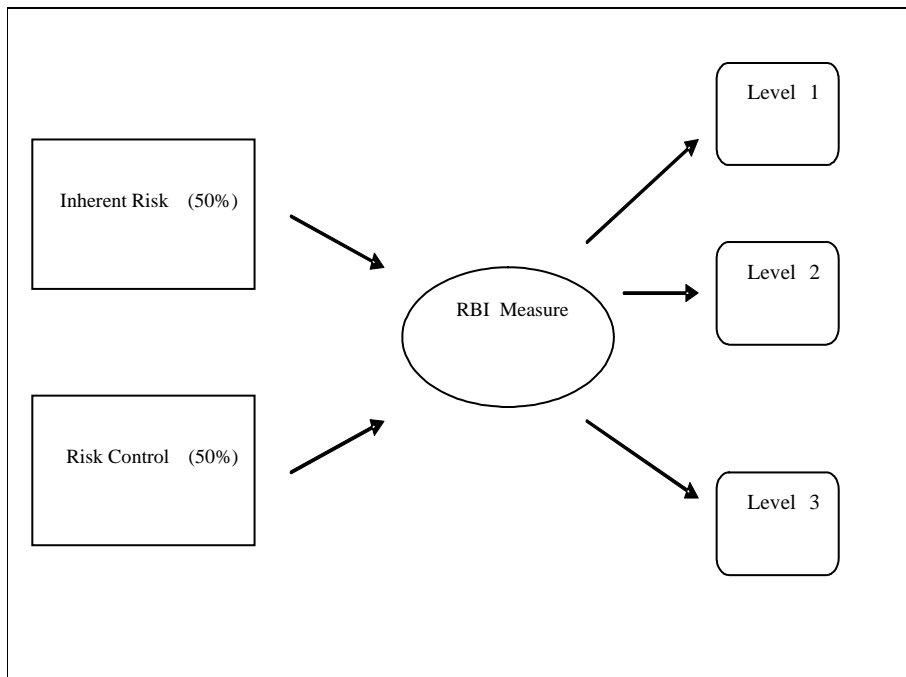
**Risk Control Measure (RCM)**

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**2**

- IRM and RCM are on a 100-point scale
- RBI measure (average of IRM + RCM) is also on a 100-point scale

**Determination of RBI Measure  
and Three Levels of Inspection**



- Level of Inspection
- Level of inspection for each establishment is derived from RBI Measure
- By statistical design, majority of establishments are in Level 2
  - 60% are Level 2 (RBI between 24 and 55)
  - 20% are Level 1 (RBI between 1 and 23)
  - 20% are Level 3 (RBI between 56 and 100)

**Determining Level of Inspection  
for Est. A – Raw Intact Beef**

Inherent Product Hazard		10	
Volume Range		3	
<b>Inherent Risk Measure</b>		<b>30</b>	
	<b>Actual</b>		<b>Possible</b>
NR Data	3		5
Verified Food Safety Consumer Complaint Data	2		3
Food Safety Recall Data	0		6
Enforcement Data	0		6
<i>Salmonella</i> Verification Category	NA		NA
<i>E. Coli</i> O157:H7 and/or RTE Pathogen Testing	NA		NA
RTE Alternative	NA		NA
Total	5		20
<b>Risk Control Measure</b>		<b>25</b>	
<b>RBI Risk Measure</b>		<b><math>(30 + 25)/2 = 27.5</math></b>	
<b>Level of Inspection</b>		<b>2</b>	

**Determining Level of Inspection for  
Est. B – RTE Fully-Cooked Beef Patties**

Inherent Product Hazard		6	
Volume Range		1	
<b>Inherent Risk Measure</b>		<b>6</b>	
	<b>Actual</b>		<b>Possible</b>
NR Data	2		5
Verified Food Safety Consumer Complaint Data	0		3
Food Safety Recall Data	0		6
Enforcement Data	0		6
<i>Salmonella</i> Verification Category	NA		NA
<i>E. Coli</i> O157:H7 and/or RTE Pathogen Testing	0		9
RTE Alternative	1		3
Total	3		32
<b>Risk Control Measure</b>		<b>9.4</b>	
<b>RBI Risk Measure</b>		$(6 + 9.4)/2 = 7.7$	
<b>Level of Inspection</b>		<b>1</b>	

**Procedures for Levels of Inspection**

- Level 2 RBI Measure (Equal to Current PBIS)
  - HACCP 01 procedure – 1/week per processing category
  - HACCP 02 procedure – 2/week per processing category
  - Pre-op and Operational Sanitation procedures – daily
  - SPS procedures – 1/week
- Includes some establishments who, because of their inherent risk, can never achieve Level 1

**Procedures for Levels of Inspection**

- Level 1 RBI measure
  - HACCP 01 procedure – 1/week in one processing category
  - HACCP 02 procedure – 2/week per processing category (*same as Level 2*)
  - Either Pre-op **OR** Operational Sanitation procedures – daily
  - SPS procedures – 1/week (*same as Level 2*)

**Procedures for Levels of Inspection**

- Level 3 RBI measure
  - HACCP 01 procedure – 2/week per processing category
  - HACCP 02 procedure – 2/week per processing category (*same as Level 2*)
  - Pre-op and Operational Sanitation procedures – daily (*same as Level 2*)
  - SPS procedures – 2/week
- Includes some establishments who, because of their inherent risk, can never achieve Level 2

**Ex: Procedures for Est. XYZ at Level 2**

<b>Procedure</b>	<b>Type</b>	<b>Frequency</b>
<b>01A01</b>	<b>SSOP</b>	<b>Annual</b>
<b>01B01</b>	<b>Pre-Op Records Ver.</b>	<b>Either 01B01 or 01B02, 1 per day</b>
<b>01B02</b>	<b>Pre-Op Observation and Record Ver.</b>	
<b>01C01</b>	<b>Operational Records Ver.</b>	<b>Either 01C01 or 01C02, 1 per day</b>
<b>01C02</b>	<b>Operational Observation and Record Ver.</b>	
<b>03A01</b>	<b>HACCP Plan Compliance</b>	<b>Annual</b>
<b>03B01</b>	<b>Raw Ground HACCP</b>	<b>1 per week</b>
<b>03B02</b>	<b>Specific production of Raw Ground HACCP</b>	<b>2 per week</b>
<b>03C01</b>	<b>Raw NG HACCP</b>	<b>1 per week</b>
<b>03C02</b>	<b>Specific production of Raw NG HACCP</b>	<b>2 per week</b>
<b>03G01</b>	<b>RTE HACCP</b>	<b>1 per week</b>
<b>03G02</b>	<b>Specific production of RTE HACCP</b>	<b>2 per week</b>
<b>04B03 &amp; 04B04</b>	<b>Other Consumer Protections (OCP)</b>	<b>1 per week</b>
<b>05A01 &amp; 05A03</b>	<b><i>E. coli</i> O157:H7 &amp; <i>Salmonella</i> Sampling</b>	<b>As Directed</b>
<b>06</b>	<b>SPS</b>	<b>Weekly</b>

Ex: Procedures for Est. XYZ at Level 1

Procedure	Type	Frequency
01A01	SSOP	Annual
01B01	Pre-Op Records Ver.	01B01, 01B02, 01C01, & 01C02, 1 per day
01B02	Pre-Op Observation and Record Ver.	
01C01	Operational Records Ver.	
01C02	Operational Observation and Record Ver.	
03A01	HACCP Plan Compliance	Annual
03B01, 03C01, & 03G01	Verification Of HACCP Plan Features	03B01, 03C01, & 03G01, 1 per week
03B02	Specific production of Raw Ground HACCP	2 per week
03C02	Specific production of Raw NG HACCP	2 per week
03G02	Specific production of RTE HACCP	2 per week
04B03 & 04B04	Other Consumer Protections (OCP)	1 per week
05A01 & 05A03	<i>E. coli</i> O157:H7 & <i>Salmonella</i> Sampling	As Directed
06	SPS	Weekly

Ex: Procedures for Est. XYZ at Level 3

Procedure	Type	Frequency
01A01	SSOP	Annual
01B01	Pre-Op Records Ver.	Either 01B01 or 01B02, 1 per day
01B02	Pre-Op Observation and Record Ver.	
01C01	Operational Records Ver.	Either 01C01 or 01C02, 1 per day
01C02	Operational Observation and Record Ver.	
03A01	HACCP Plan Compliance	Annual
03B01	Raw Ground HACCP	2 per week
03B02	Specific production of Raw Ground HACCP	2 per week
03C01	Raw NG HACCP	2 per week
03C02	Specific production of Raw NG HACCP	2 per week
03G01	RTE HACCP	2 per week

<b>03G02</b>	<b>Specific production of RTE HACCP</b>	<b>2 per week</b>
<b>04B03 &amp; 04B04</b>	<b>Other Consumer Protections (OCP)</b>	<b>2 per week</b>
<b>05A01 &amp; 05A03</b>	<b><i>E. coli</i> O157:H7 &amp; <i>Salmonella</i> Sampling</b>	<b>As Directed</b>
<b>06</b>	<b>SPS</b>	<b>2 per week</b>