

Model for National Responsible Conduct of Hazardous Materials Holders

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ISRAC

ISRAC Laboratory Accreditation Authority

Israel Laboratory Accreditation Authority
Law; 1997,

RISK

Refers to injury, disease, genetic damage or even death under specific circumstances

Ostrich



How people make decisions when confronted with high consequences, and how these decisions can go awry.

A creature who hides its head in the sand to escape problems.

Acceptable-Risk

Level of human and/or material injury or loss from an industrial process that is considered to **be tolerable by a society**

- The issue is an important and extremely complex area
- It is very location specific
- Highly important role in adapting guidelines to suit national circumstances, where local stakeholders involvements vital

MAJOR ELEMENTA OF THE SYTEM

**LOCAL
PUBLIC**

**POTENTIAL
RISK
HOLDER**

**NATIONAL
REGULATOR**

**PROFESIONAL
ENTITY**

Potential Risk Holder

Risks to health arising from potential exposure of the public to **chemical** and **biological** hazards ; other hazards [flammable substances] and **physical** agents [noise, ionizing radiations]

NATIONAL REGULATOR ENTITY

For ISRAC the entity is: Authority


REQUIREMENTS:

- Standards
- Procedures
- **Threats** [Chain of events: **NaTch, HosTech**]

Visualize the impact of extreme events, even if they are unlikely but potentially disastrous

- **Third Body Insurance/liability**

32 m



Insurance

- The Potential Risk Holders are expected to understand that majority of environment contamination + property loss is mitigatable or preventable.
- The Regulator **mandate** third body insurance/liability
- The Holder with Insurance Company better understand the hazards that can impact their **business continuity** and the surrounding public in order to make cost-effective risk management decisions, combining public safety and property loss prevention with **insurance** protection.

Professional Entity

Intelligent Head Quarter:

HUB that has the connections with wide range of experts

STEP 1

Potential Risk Holder

Local Public

Regulator

Professional Entity

Detailed Info.

Acceptable Risk

Application to build Haz. Mate. System

Requirements

Info.

Preliminary Risk Report

OPPOSITIONS

clarifications

PRR Acceptable

Authorization to start

STEP 2: After Building

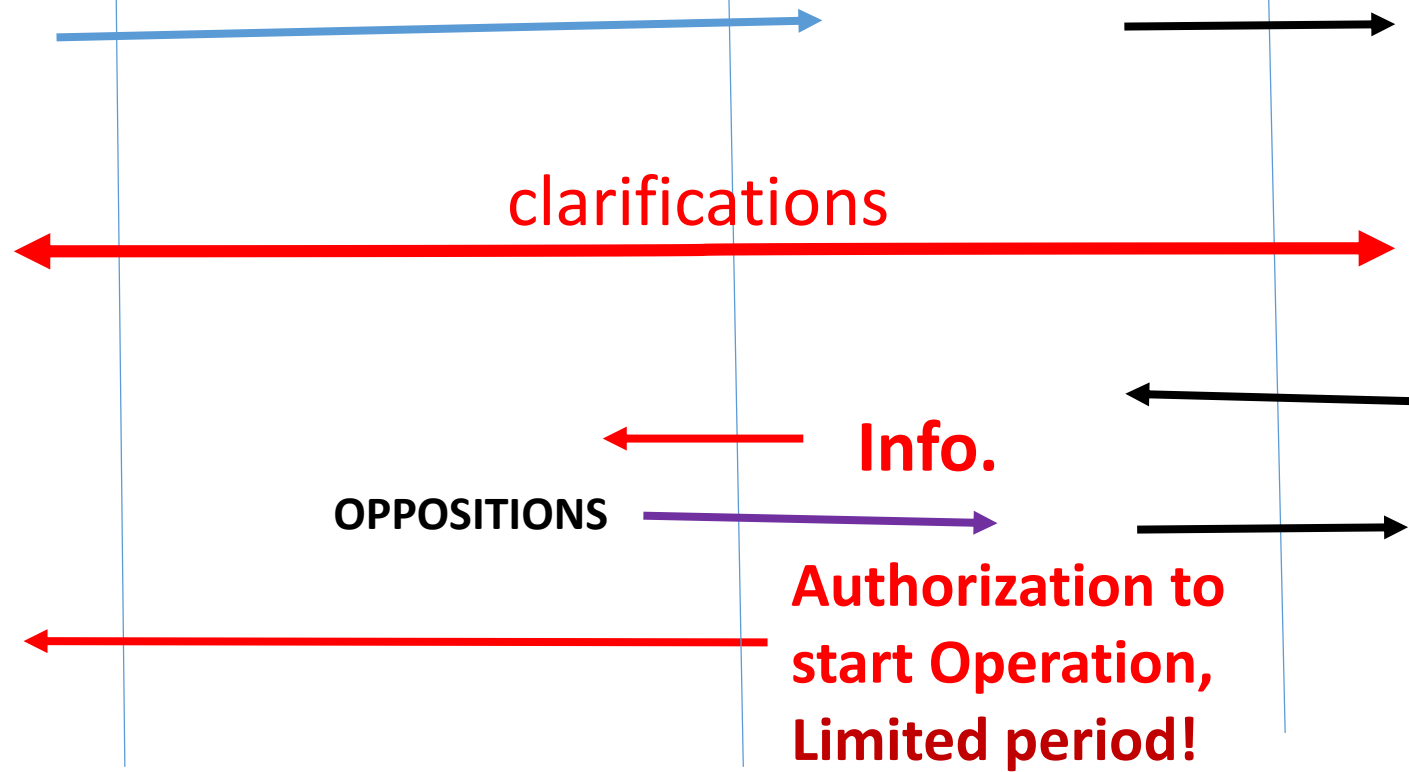
Potential Risk Holder

Local Public

Regulator

Professional Entity

Final Risk Report + Validation



FRR Acceptable

STEP 3: During Operation

Potential Risk Holder

Local Public

Regulator

Professional Entity

Monitoring Data

Analysis

Info.

OPPOSITIONS

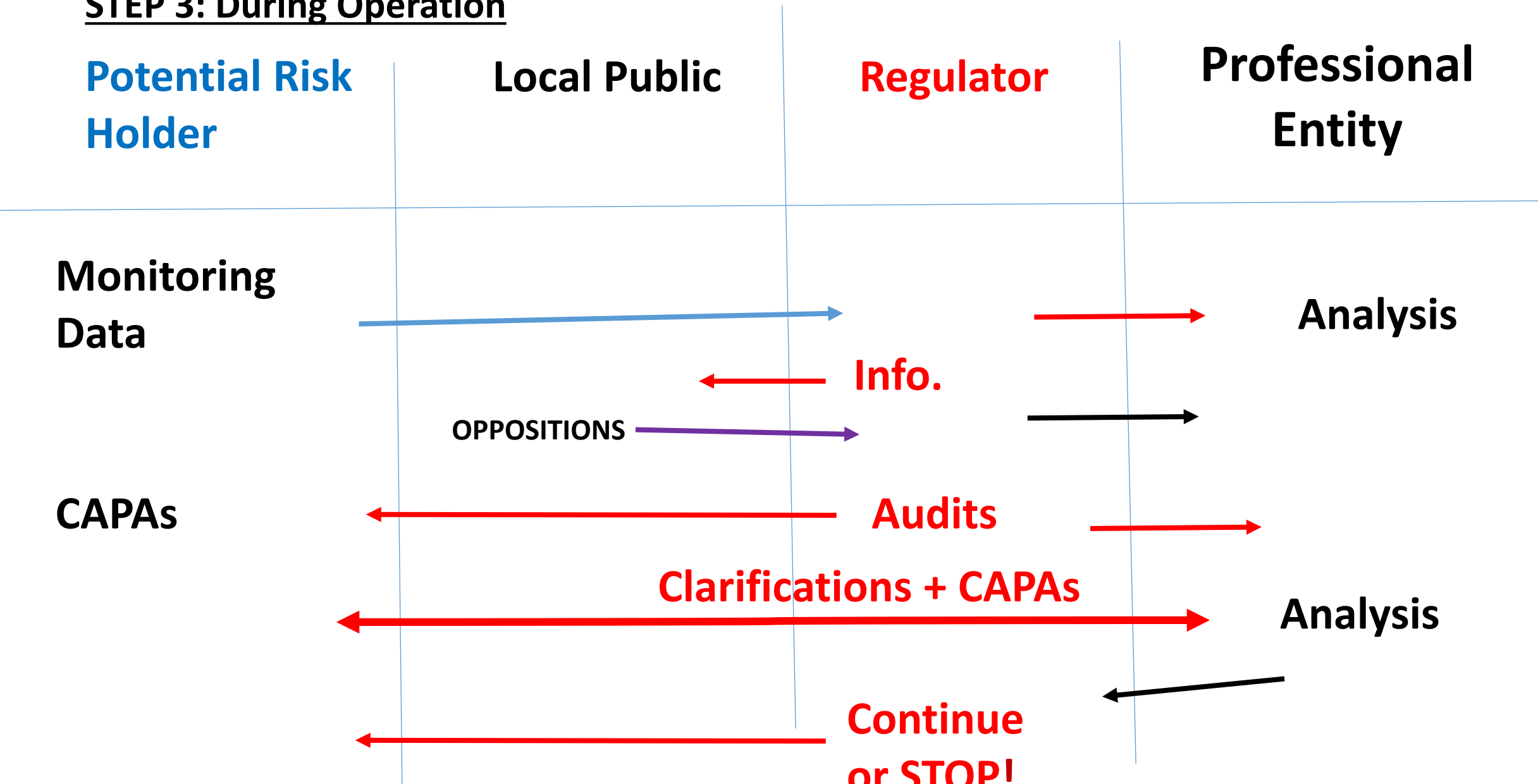
CAPAs

Audits

Clarifications + CAPAs

Analysis

Continue or STOP!



STEP 4: End of Limited Period

Potential Risk Holder

Local Public

Regulator

Professional Entity

Application to continue

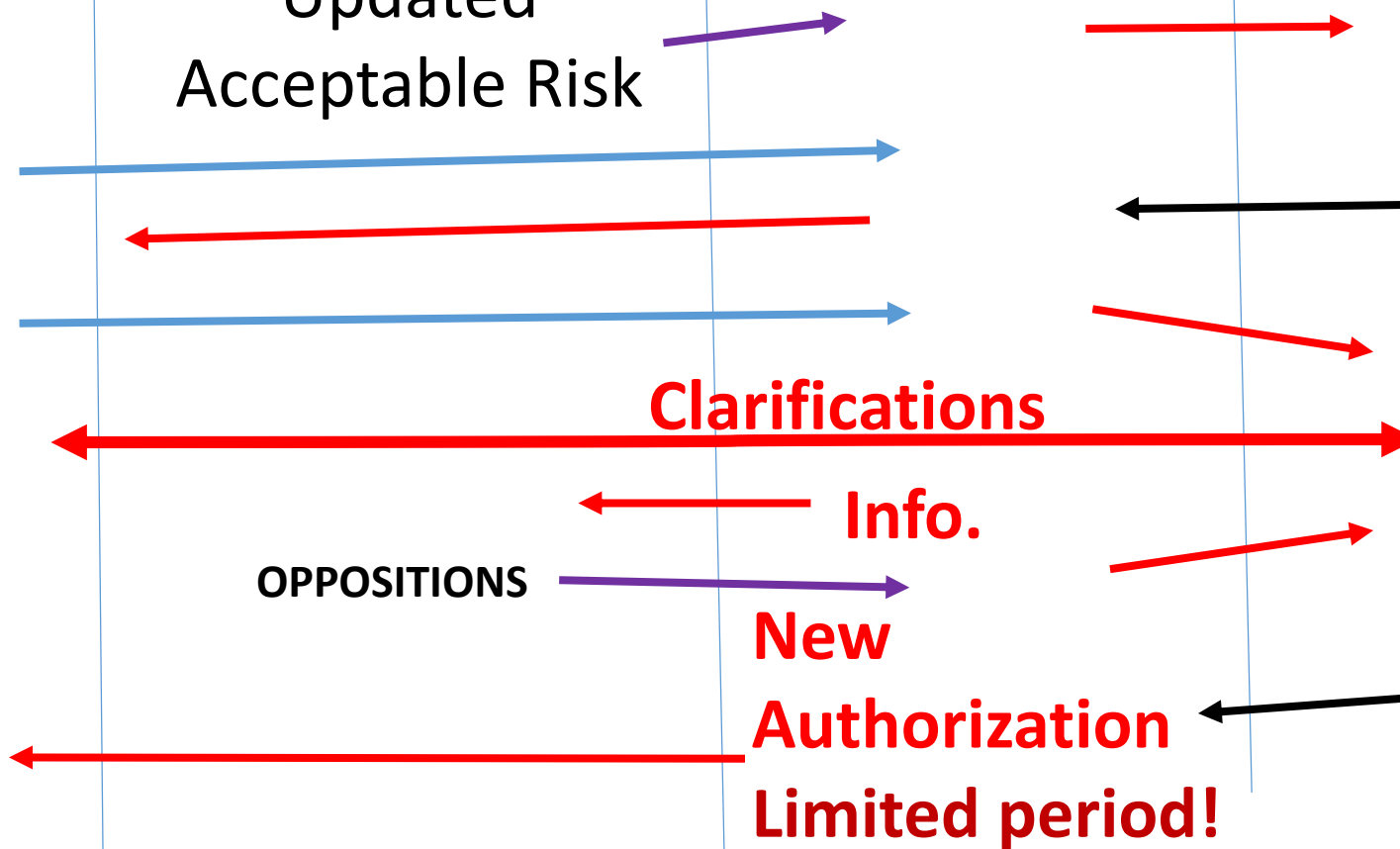
Updated
Acceptable Risk

Updated Risk Report + Validation

New Info.

Analysis

URR Acceptable



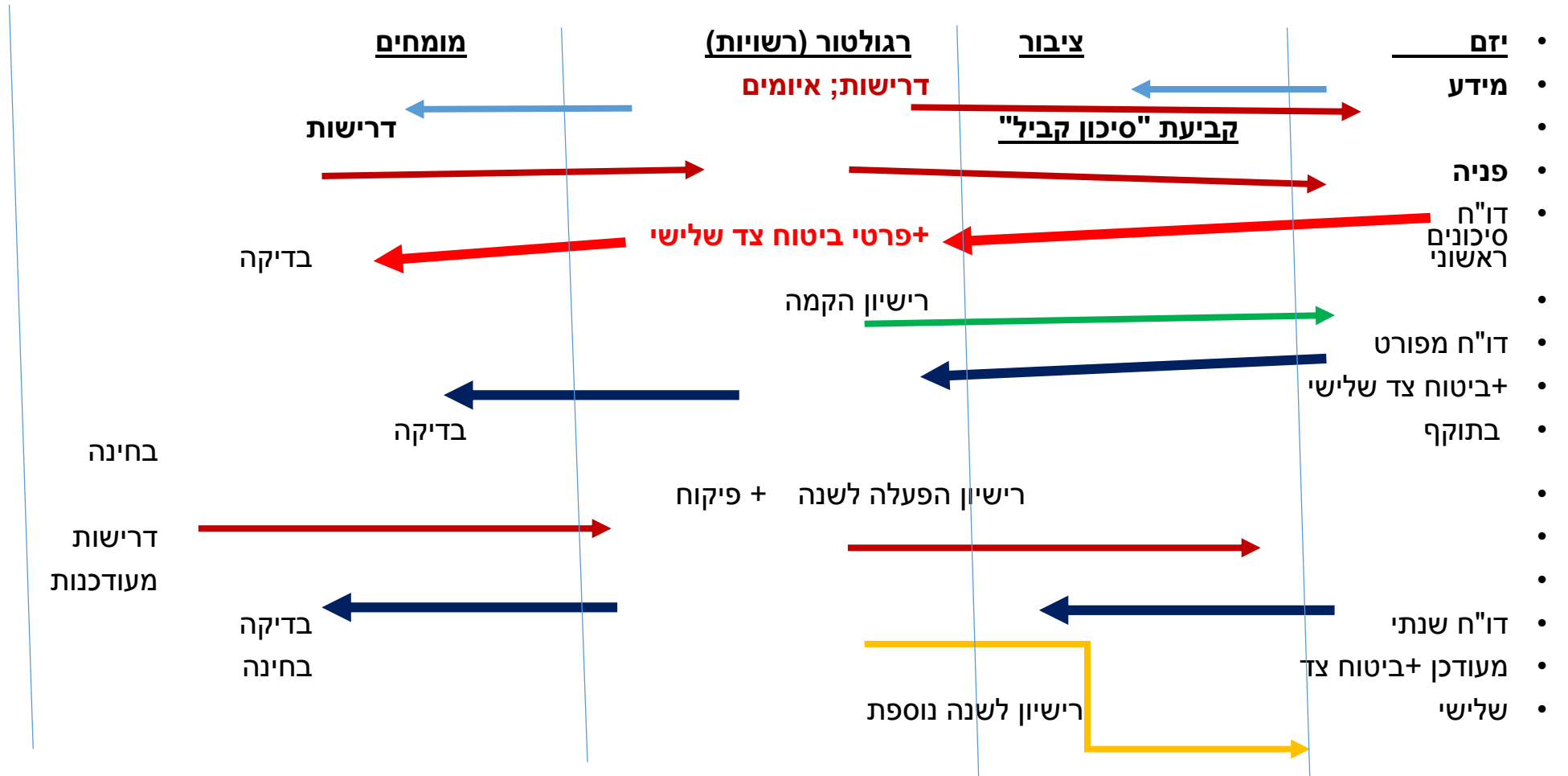
Chaos Mitigation

Such a Model could Eliminate the potential catastrophe of AMMONIA in Haifa Bay!

The present situation results fro lack of proper regulations and of suitable control system

Thank you!

תרשים זרימה:



תיאור מבנה של התנהלות עם חומרים מסוכנים כפי שנהוג במדינות מתוקנות

