

# Level 100 Worksheet

AIGovOps Beacon Framework Lab - the 30-minute auditor flow

For each case below, fill in: who was harmed, what failed, which framework applies, which Beacon artifact would have caught the gap, and which YES-act (Ship / Steady / Recover) it falls under. Bring your completed worksheet to the review session.

## Case 1 -- Boeing 737 MAX MCAS software fatal crashes (2018-2019)

Boeing concealed a safety-critical MCAS design change from regulators and pilots; the certification process failed to catch that the system could repeatedly command nose-down trim from erroneous sensor data.

WHO WAS HARMED

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WHAT FAILED

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WHICH FRAMEWORK(S) APPLY

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WHICH BEACON ARTIFACT WOULD HAVE MATTERED MOST

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YES-ACT  Ship  Steady  Recover

## Case 2 -- Knight Capital deployment failure (2012)

A deployment failed to push updated code to one of eight servers. The stale code interpreted new order-routing flags as legacy commands, generating runaway orders that bankrupted the firm in less than an hour.

WHO WAS HARMED

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WHAT FAILED

---

WHICH FRAMEWORK(S) APPLY

---

WHICH BEACON ARTIFACT WOULD HAVE MATTERED MOST

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YES-ACT  Ship  Steady  Recover

## Case 3 -- Detroit wrongful arrest via facial recognition (2020)

A face-recognition match produced a single candidate; police arrested Robert Williams based on that match alone. No human review, no documented thresholding, no audit trail of the model version or training data.

WHO WAS HARMED

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WHAT FAILED

---

WHICH FRAMEWORK(S) APPLY

---

WHICH BEACON ARTIFACT WOULD HAVE MATTERED MOST

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YES-ACT  Ship  Steady  Recover

**Case 4 -- Apple Card credit limit bias allegations (2019)**

Couples with similar finances saw very different credit limits, including in the same household. Goldman/Apple could not explain the decisions or demonstrate disparate-impact testing.

WHO WAS HARMED

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WHAT FAILED

---

WHICH FRAMEWORK(S) APPLY

---

WHICH BEACON ARTIFACT WOULD HAVE MATTERED MOST

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YES-ACT  Ship  Steady  Recover

**Case 5 -- Robodebt automated welfare debt scheme (Australia, 2016-2020)**

An automated income-averaging algorithm was deployed against welfare recipients without legal authority, generating false debts at scale. Operational decisions were made by automation without documented review or recourse.

WHO WAS HARMED

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WHAT FAILED

---

WHICH FRAMEWORK(S) APPLY

---

WHICH BEACON ARTIFACT WOULD HAVE MATTERED MOST

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YES-ACT  Ship  Steady  Recover

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## Your own case

Fill in a real failure or near-miss from your organization. Use it in the review session as a starting point for which Beacon artifact you should ship first.

INCIDENT / SYSTEM

YEAR / DATE RANGE

WHO WAS HARMED

WHAT FAILED

WHICH FRAMEWORK(S) APPLY

WHICH BEACON ARTIFACT WOULD HAVE MATTERED MOST

YES-ACT

Ship  Steady  Recover