

Version: 1.0.0 **Target:** 0.131.0-Beta

Implementation Plan - Phase 1.5: Visualization Standardization (Plotly Cluster)

1. Overview

This plan executes **Phase 1.5** of the visualization update roadmap. It establishes a centralized title generation utility (`_report_utils.py`) that enforces the "Three-Line Title" and "Smart Scoping" standards defined in `CLAREportsStyleGuide v1.3.0`. It then systematically refactors all existing Plotly-based reports to use this utility and the `PlotlyStyleManager` footer, ensuring consistent branding and metadata across the visual stack. The WRTC Animation migration is deferred to Phase 5.

2. Proposed Changes

A. Core Utilities: `contest_tools/reports/_report_utils.py`

- **Add:** `get_standard_title_lines(report_name, logs, band_filter, mode_filter, modes_present_set=None)`
- **Logic:**
 1. Extracts Year, Contest, EventID, and Callsigns from logs.
 2. Constructs Line 2 (Context).
 3. Constructs Line 3 (Scope) handling "All Bands" and "Smart Scoping" for modes (suppressing "(All Modes)" if `modes_present_set` has length 1).
 4. Returns list of strings `[Line1, Line2, Line3]`.

B. Standard Plotly Reports (Refactoring)

All listed reports will be updated to:

1. Calculate `modes_present` from their data (where applicable).
2. Call `get_standard_title_lines` to generate the header.
3. Call `get_cty_metadata` to generate the footer.
4. Pass `footer_text` to `PlotlyStyleManager.get_standard_layout`.

Target Files:

1. `contest_tools/reports/plot_qso_rate.py` (Refactor to use utility)
2. `contest_tools/reports/plot_point_rate.py`
3. `contest_tools/reports/plot_cumulative_difference.py`
4. `contest_tools/reports/plot_comparative_band_activity.py`
5. `contest_tools/reports/plot_comparative_run_sp.py`
6. `contest_tools/reports/chart_point_contribution.py`
7. `contest_tools/reports/chart_point_contribution_single.py`

8. contest_tools/reports/chart_qso_breakdown.py
9. contest_tools/reports/plot_interactive_animation.py

3. Surgical Change Verification

File: contest_tools/reports/_report_utils.py

```
__CODE_BLOCK__diff --- BEGIN DIFF --- @@ -95,4 +95,39 @@ """ if not
logs: return "CTY File: Unknown"

path = getattr(logs[0], 'cty_dat_path', '')
if not path or not os.path.exists(path):
    return "CTY File: Unknown"

# Try to extract version from filename (cty_wt_mod_3504.dat)
version_match = re.search(r'(\d{4})', os.path.basename(path))
version_str = f"CTY-{version_match.group(1)}" if version_match else "CTY-Unknown"

# Try to extract date
date_obj = CtyLookup.extract_version_date(path)
date_str = date_obj.strftime('%Y-%m-%d') if date_obj else "Unknown Date"

return f"CTY File: {date_str} {version_str}"

•

+def get_standard_title_lines(report_name: str, logs: list, band_filter: str =
None, mode_filter: str = None, modes_present_set: set = None) -> list:
    • """
    • Generates the standard 3-Line Title components (Name, Context, Scope).
    • Applies Smart Scoping logic for modes.
    • """
    • if not logs: return [report_name, "", ""]
    •
    •
    •
```

--- Line 2: Context ---

- metadata = logs[0].get_metadata()
- df = get_valid_dataframe(logs[0])
- year = df['Date'].dropna().iloc[0].split('-')[0] if not df.empty else "----"
- contest_name = metadata.get('ContestName', '')

- `event_id = metadata.get('EventID', '')`
- `all_calls = sorted([l.get_metadata().get('MyCall', 'Unknown') for l in logs])`
- `callsign_str = ", ".join(all_calls)`
-
- `line2 = f"{year} {event_id} {contest_name} - {callsign_str}".strip().replace(" ", " ")`
-
-

--- Line 3: Scope ---

-

Band Logic

- `is_single_band = len(logs[0].contest_definition.valid_bands) == 1`
- if `band_filter == 'All'` or `band_filter` is `None`:
- `band_text = logs[0].contest_definition.valid_bands[0].replace('M', ' Meters')` if `is_`
- else:
- `band_text = band_filter.replace('M', ' Meters')`
-
-

Mode Logic (Smart Scoping)

- if `mode_filter`:
- `mode_text = f" ({mode_filter})"`
- else:
- `# Only show (All Modes) if multiple modes actually exist in the data`
- if `modes_present_set` and `len(modes_present_set) > 1`:
- `mode_text = " (All Modes)"`
- else:
- `mode_text = ""`

-
- line3 = f"{band_text}{mode_text}"
-
- return [report_name, line2, line3] --- END DIFF --- **CODE_BLOCK**

File: contest_tools/reports/plot_qso_rate.py

```
__CODE_BLOCK__diff --- BEGIN DIFF --- @@ -23,7 +23,7 @@ from
..contest_log import ContestLog from .report_interface import ContestReport
-from .report_utils import create_output_directory, get_valid_dataframe,
save_debug_data, _sanitize_filename_part, get_cty_metadata +from
.report_utils import create_output_directory, get_valid_dataframe,
save_debug_data, _sanitize_filename_part, get_cty_metadata, get_standard_title_lines
from ..data_aggregators.time_series import TimeSeriesAggregator from
..styles.plotly_style_manager import PlotlyStyleManager
```

```
@@ -190,26 +190,14 @@ )
```

```
    # 4. Styling & Layout
```

- metadata = self.logs[0].get_metadata()
- year = get_valid_dataframe(self.logs[0])['Date'].dropna().iloc[0].split('-')[0] if not
- contest_name = metadata.get('ContestName', '')
- event_id = metadata.get('EventID', '')
- # Smart Scoping: Collect unique modes from all dfs
- modes_present = set()
- for df in dfs:
- if 'Mode' in df.columns:
- modes_present.update(df['Mode'].dropna().unique())
- is_single_band = len(self.logs[0].contest_definition.valid_bands) == 1
-
- # Determine Band Text
- if band_filter == 'All':
- if is_single_band:
- # ARRL 10M Case: "All" really means the one valid band
- band_text = self.logs[0].contest_definition.valid_bands[0].replace('M', ' Me
- else:

```

•         band_text = "All Bands"
•     else:
•         band_text = band_filter.replace('M', ' Meters')
•
•     # Determine Mode Text
•     if mode_filter:
•         mode_text = f" ({mode_filter})"
•     else:
•         # Smart Scoping: Only show (All Modes) if there actually ARE multiple modes
•         modes_present = set()
•         for df in dfs:
•             if 'Mode' in df.columns:
•                 modes_present.update(df['Mode'].dropna().unique())
•
•         mode_text = " (All Modes)" if len(modes_present) > 1 else ""
•
•     # Line 3 Scope construction
•     scope_line = f"{band_text}{mode_text}"
•
•     callsign_str = ", ".join(all_calls)
•
•     title_line1 = f"{self.report_name}"
•     title_line2 = f"{year} {event_id} {contest_name} - {callsign_str}".strip().replace("
•     final_title = f"{title_line1}<br><sub>{title_line2}<br>{scope_line}</sub>"
•     title_lines = get_standard_title_lines(self.report_name, self.logs, band_filter, mod
•     final_title = f"{title_lines[0]}<br><sub>{title_lines[1]}<br>{title_lines[2]}</sub>"

        footer_text = f"Contest Log Analytics by KD4D\n{get_cty_metadata(self.logs)}"
--- END DIFF --- CODE_BLOCK

```

File: contest_tools/reports/plot_point_rate.py

```

__CODE_BLOCK__diff --- BEGIN DIFF --- @@ -34,7 +34,7 @@ from
..contest_log import ContestLog from .report_interface import ContestReport
-from .report_utils import create_output_directory, get_valid_dataframe,
save_debug_data, _sanitize_filename_part +from .report_utils im-
port create_output_directory, get_valid_dataframe, save_debug_data,
_sanitize_filename_part, get_cty_metadata, get_standard_title_lines
from ..data_aggregators.time_series import TimeSeriesAggregator from
..styles.plotly_style_manager import PlotlyStyleManager

@@ -160,19 +160,14 @@ )

    # --- Layout & Styling ---

    • metadata = self.logs[0].get_metadata()

    • year = get_valid_dataframe(self.logs[0])['Date'].dropna().iloc[0].split('-')[0] if n

    • contest_name = metadata.get('ContestName', '')

    • event_id = metadata.get('EventID', '')

    •

    • is_single_band = len(self.logs[0].contest_definition.valid_bands) == 1

    • band_text = self.logs[0].contest_definition.valid_bands[0].replace('M', ' Meters') i

    • mode_text = f" ({mode_filter})" if mode_filter else ""

    • callsign_str = ", ".join(all_calls)

    • # Smart Scoping: Collect unique modes from all dfs

    • modes_present = set()

    • for df in dfs:

    •     if 'Mode' in df.columns:

    •         modes_present.update(df['Mode'].dropna().unique())

    • title_line1 = f"{self.report_name}{mode_text}"

    • title_line2 = f"{year} {event_id} {contest_name} - {callsign_str}".strip().replace("

    • final_title = f"{title_line1}<br>{title_line2}" # Use <br> for Plotly title

    • title_lines = get_standard_title_lines(self.report_name, self.logs, band_filter, mod

    • final_title = f"{title_lines[0]}<br><sub>{title_lines[1]}<br>{title_lines[2]}</sub>"

    •

    • footer_text = f"Contest Log Analytics by KD4D\n{get_cty_metadata(self.logs)}"

```

```

        # Apply standard layout
        • layout_config = PlotlyStyleManager.get_standard_layout(final_title)
        • layout_config = PlotlyStyleManager.get_standard_layout(final_title, footer_text)
        fig.update_layout(layout_config)
--- END DIFF --- CODE_BLOCK

```

File: contest_tools/reports/plot_cumulative_difference.py

```

__CODE_BLOCK__diff --- BEGIN DIFF --- @@ -36,7 +36,7 @@ from
..contest_log import ContestLog from .report_interface import ContestReport
-from .report_utils import create_output_directory, get_valid_dataframe,
save_debug_data, _sanitize_filename_part +from .report_utils im-
port create_output_directory, get_valid_dataframe, save_debug_data,
_sanitize_filename_part, get_cty_metadata, get_standard_title_lines
from ..data_aggregators.time_series import TimeSeriesAggregator from
..styles.plotly_style_manager import PlotlyStyleManager

@@ -131,18 +131,16 @@ fig.add_hline(y=0, line_width=1, line_color="gray")

    # --- Metadata & Titles ---
    • metadata = log1.get_metadata()
    • year = get_valid_dataframe(log1)['Date'].dropna().iloc[0].split('-')[0] if not get_v
    • contest_name = metadata.get('ContestName', '')
    • event_id = metadata.get('EventID', '')
    • # Smart Scoping: Collect unique modes (using TimeSeriesAggregator data is tricky, as
    • # Since this uses aggregated data, we check if mode_filter is set. If not, we assume
    • modes_present = set()
    • for log in self.logs:
    •     df = get_valid_dataframe(log)
    •     if 'Mode' in df.columns:
    •         modes_present.update(df['Mode'].dropna().unique())
    • is_single_band = len(log1.contest_definition.valid_bands) == 1
    • band_text = log1.contest_definition.valid_bands[0].replace('M', ' Meters') if is_sin
    • mode_text = f" ({mode_filter})" if mode_filter else ""
    • callsign_str = f"{call1} vs. {call2}"
    •
    • title_line1 = f"{self.report_name} - {metric_name}{mode_text}"

```

```

    • title_line2 = f"{year} {event_id} {contest_name} - {callsign_str}".strip().replace("
    • final_title = f"{title_line1}<br>{title_line2}" # Use <br> for Plotly title break
    • title_lines = get_standard_title_lines(f"{self.report_name} ({metric_name})", self.l
    • final_title = f"{title_lines[0]}<br><sub>{title_lines[1]}<br>{title_lines[2]}</sub>"
    •
    • footer_text = f"Contest Log Analytics by KD4D\n{get_cty_metadata(self.logs)}"

    # --- Layout Standardization ---
    • layout = PlotlyStyleManager.get_standard_layout(final_title)
    • layout = PlotlyStyleManager.get_standard_layout(final_title, footer_text)
      fig.update_layout(layout)
--- END DIFF --- CODE_BLOCK

```

File: contest_tools/reports/plot_comparative_band_activity.py

```

__CODE_BLOCK__diff --- BEGIN DIFF --- @@ -37,7 +37,7 @@ from
..contest_log import ContestLog from .report_interface import ContestReport
-from .report_utils import get_valid_dataframe, create_output_directory,
__sanitize_filename_part +from .report_utils import get_valid_dataframe,
create_output_directory, __sanitize_filename_part, get_cty_metadata,
get_standard_title_lines from ..data_aggregators.matrix_stats import Ma-
trixAggregator from ..styles.plotly_style_manager import PlotlyStyleManager

@@ -133,18 +133,13 @@

    # --- 4. Layout & Styling ---
    # Prepare Titles

    • metadata = log1.get_metadata()
    • df_first_log = get_valid_dataframe(log1)
    • year = df_first_log['Date'].dropna().iloc[0].split('-')[0] if not df_first_log.empty
    • contest_name = metadata.get('ContestName', '')
    • event_id = metadata.get('EventID', '')
    • modes_present = set()
    • for log in [log1, log2]:
    •     df = get_valid_dataframe(log)
    •     if 'Mode' in df.columns:
    •         modes_present.update(df['Mode'].dropna().unique())

```


- mode_title_str = f" ({mode_filter})" if mode_filter else ""
- title_line1 = f"{self.report_name}{mode_title_str}"
- context_str = f"{year} {event_id} {contest_name}".strip().replace(" ", " ")
- calls_str = f"{call1} (Up) vs. {call2} (Down)"
- title_line2 = f"{context_str} - {calls_str}"
- full_title = f"{title_line1}
{title_line2}"
- title_lines = get_standard_title_lines(self.report_name, [log1, log2], "All Bands",
- final_title = f"{title_lines[0]}
_{{title_lines[1]}
{title_lines[2]}}"
-
- footer_text = f"Contest Log Analytics by KD4D\n{get_cty_metadata([log1, log2])}"
- layout_config = PlotlyStyleManager.get_standard_layout(full_title)
- layout_config = PlotlyStyleManager.get_standard_layout(final_title, footer_text)
- fig.update_layout(layout_config)

--- END DIFF --- **CODE_BLOCK**

File: contest_tools/reports/plot_comparative_run_sp.py

```
__CODE_BLOCK__diff --- BEGIN DIFF --- @@ -35,7 +35,7 @@ from
..contest_log import ContestLog from .report_interface import ContestReport
-from .report_utils import get_valid_dataframe, create_output_directory,
save_debug_data +from .report_utils import get_valid_dataframe, cre-
ate_output_directory, save_debug_data, get_cty_metadata, get_standard_title_lines
from ..data_aggregators.matrix_stats import MatrixAggregator from
..styles.plotly_style_manager import PlotlyStyleManager

@@ -155,18 +155,16 @@ )

# --- Formatting ---

• year = get_valid_dataframe(self.logs[0])['Date'].dropna().iloc[0].split('-')[0]
• contest_name = log1_meta.get('ContestName', '')
• event_id = log1_meta.get('EventID', '')
• modes_present = set()
• for log in self.logs:
•     df = get_valid_dataframe(log)
•     if 'Mode' in df.columns:
•         modes_present.update(df['Mode'].dropna().unique())
```

```

    • mode_title_str = f" ({mode_filter})" if mode_filter else ""
    • callsign_str = f"{call1} vs. {call2}"
    •
    • title_line1 = f"{self.report_name}{mode_title_str}{page_title_suffix}"
    • title_line2 = f"{year} {event_id} {contest_name} - {callsign_str}".strip().replace("
    • title_lines = get_standard_title_lines(f"{self.report_name}{page_title_suffix}", sel
    • final_title = f"{title_lines[0]}<br><sub>{title_lines[1]}<br>{title_lines[2]}</sub>"
    •
    • footer_text = f"Contest Log Analytics by KD4D\n{get_cty_metadata(self.logs)}"

    # Apply standard layout
    • layout_cfg = PlotlyStyleManager.get_standard_layout(f"{title_line1}<br><sub>{title_l
    • layout_cfg = PlotlyStyleManager.get_standard_layout(final_title, footer_text)

    # Customize for this specific report
--- END DIFF --- CODE_BLOCK

```

File: contest_tools/reports/chart_point_contribution.py

```

__CODE_BLOCK__diff --- BEGIN DIFF --- @@ -32,7 +32,7 @@ from con-
test_tools.contest_log import ContestLog from contest_tools.data_aggregators.categorical_stats
import CategoricalAggregator from contest_tools.styles.plotly_style_manager
import PlotlyStyleManager -from contest_tools.reports._report_utils import
create_output_directory +from contest_tools.reports._report_utils import
create_output_directory, get_cty_metadata, get_standard_title_lines,
get_valid_dataframe

```

```

class Report(ContestReport): """ @@ -102,17 +102,15 @@ fig.add_trace(trace,
row=1, col=i+1)

```

```

    # Standard Title Construction

```

```

    • first_log = self.logs[0]
    • year = first_log.get_processed_data()['Date'].iloc[0].split('-')[0]
    • contest_name = first_log.get_metadata().get('ContestName', 'Unknown')
    • all_calls = sorted([l.get_metadata().get('MyCall') for l in self.logs])
    • modes_present = set()
    • for log in self.logs:
    •     df = get_valid_dataframe(log)

```

```

    •         if 'Mode' in df.columns:
    •             modes_present.update(df['Mode'].dropna().unique())
    •         chart_title = f"Comparative Point Contribution: {year} {contest_name} - {'', ' '.join(a
    •         title_lines = get_standard_title_lines(self.report_name, self.logs, "All Bands", Non
    •         final_title = f"{title_lines[0]}<br><sub>{title_lines[1]}<br>{title_lines[2]}</sub>"
    •
    •         footer_text = f"Contest Log Analytics by KD4D\n{get_cty_metadata(self.logs)}"

    # Apply standard layout
    •         layout_config = PlotlyStyleManager.get_standard_layout(chart_title)
    •         layout_config = PlotlyStyleManager.get_standard_layout(final_title, footer_text)
    •         fig.update_layout(**layout_config)
--- END DIFF --- CODE_BLOCK

```

File: contest_tools/reports/chart_point_contribution_single.py

```

__CODE_BLOCK__ diff --- BEGIN DIFF --- @@ -31,7 +31,7 @@ from con-
test_tools.contest_log import ContestLog from contest_tools.data_aggregators.categorical_stats
import CategoricalAggregator from contest_tools.styles.plotly_style_manager
import PlotlyStyleManager -from contest_tools.reports._report_utils import
get_valid_dataframe, create_output_directory +from contest_tools.reports._report_utils
import get_valid_dataframe, create_output_directory, get_cty_metadata,
get_standard_title_lines

class Report(ContestReport): """ @@ -132,9 +132,13 @@ fig.add_trace(trace,
row=row, col=col)

    # 5. Styling and Output
    •         title_text = f"Point Contribution Breakdown: {callsign}"
    •         layout_config = PlotlyStyleManager.get_standard_layout(title_text)
    •         modes_present = set(df['Mode'].dropna().unique())
    •         title_lines = get_standard_title_lines(self.report_name, self.logs, "All Bands", Non
    •         final_title = f"{title_lines[0]}<br><sub>{title_lines[1]}<br>{title_lines[2]}</sub>"
    •
    •         footer_text = f"Contest Log Analytics by KD4D\n{get_cty_metadata(self.logs)}"
    •

```

```

    • layout_config = PlotlyStyleManager.get_standard_layout(final_title, footer_text)

    # Merge dynamic size into standard layout
    layout_config.update({
--- END DIFF --- CODE_BLOCK

```

File: contest_tools/reports/chart_qso_breakdown.py

```

__CODE_BLOCK__diff --- BEGIN DIFF --- @@ -31,7 +31,7 @@ from con-
test_tools.contest_log import ContestLog from contest_tools.data_aggregators.categorical_stats
import CategoricalAggregator from contest_tools.styles.plotly_style_manager
import PlotlyStyleManager -from contest_tools.reports._report_utils import
get_valid_dataframe, create_output_directory, _sanitize_filename_part
+from contest_tools.reports._report_utils import get_valid_dataframe,
create_output_directory, _sanitize_filename_part, get_cty_metadata,
get_standard_title_lines

class Report(ContestReport): """ @@ -134,16 +134,13 @@ )

    # Standard Layout Application

    • metadata = self.log1.get_metadata()

    • year = df1['Date'].dropna().iloc[0].split('-')[0] if not df1.empty else "----"

    • contest_name = metadata.get('ContestName', '')

    • event_id = metadata.get('EventID', '')

    • call1 = self.log1.get_metadata().get('MyCall')

    • call2 = self.log2.get_metadata().get('MyCall')

    • modes_present = set(df1['Mode'].dropna().unique()) | set(df2['Mode'].dropna().unique())

    • title_line1 = self.report_name

    • title_line2 = f"{year} {event_id} {contest_name} - {call1} vs. {call2}".strip().replace(' ', '&nbsp;')

    • final_title = f"{title_line1}<br>{title_line2}"

    • title_lines = get_standard_title_lines(self.report_name, self.logs, "All Bands", None)

    • final_title = f"{title_lines[0]}<br><sub>{title_lines[1]}<br>{title_lines[2]}</sub>"

    •

    • footer_text = f"Contest Log Analytics by KD4D\n{get_cty_metadata(self.logs)}"

    • layout_config = PlotlyStyleManager.get_standard_layout(final_title)

    • layout_config = PlotlyStyleManager.get_standard_layout(final_title, footer_text)
    fig.update_layout(layout_config)
--- END DIFF --- CODE_BLOCK

```

File: contest_tools/reports/plot_interactive_animation.py

```
__CODE_BLOCK__diff --- BEGIN DIFF --- @@ -17,7 +17,7 @@ from typing
import List, Dict, Any, Tuple from pathlib import Path
```

```
from .report_interface import ContestReport -from ._report_utils im-
port create_output_directory, _sanitize_filename_part +from ._re-
port_utils import create_output_directory, _sanitize_filename_part,
get_cty_metadata, get_standard_title_lines, get_valid_dataframe from
..data_aggregators.time_series import TimeSeriesAggregator from ..data_aggregators.matrix_stats
import MatrixAggregator from ..styles.plotly_style_manager import
PlotlyStyleManager @@ -211,12 +211,13 @@ fig.update_xaxes(title_text="Band",
row=2, col=2)
```

```
    # Construct Standard Title
```

```
    • log1_meta = self.logs[0].get_metadata()
    • year = kwargs.get('year', '2024') # Fallback
    • if not kwargs.get('year'):
    •     year = "2024"
    •
    • contest = log1_meta.get('ContestName', 'Contest')
    • title_line1 = self.report_name
    • title_line2 = f"{year} {contest} - {'', '.join(callsigns)}"
    • modes_present = set()
    • for log in self.logs:
    •     df = get_valid_dataframe(log)
    •     if 'Mode' in df.columns:
    •         modes_present.update(df['Mode'].dropna().unique())
    •
    • title_lines = get_standard_title_lines(self.report_name, self.logs, "All Bands", Non
```

```
    # Animation Settings
```

```
@@ -257,8 +258,8 @@ } ] )
```

```
    • # Update Title with Standard Formatting
```

```

•     fig.update_layout(title_text=f"{title_line1}<br><sub>{title_line2}</sub>")
•     # Update Title with Standard Formatting and Footer
•     footer_text = f"Contest Log Analytics by KD4D\n{get_cty_metadata(self.logs)}"
•
•     # Merge with existing layout properties (since animation has complex layout)
•     # We inject footer as annotation manually because we aren't using get_standard_layout
•     fig.update_layout(title_text=final_title)
•     fig.add_annotation(
•         x=0.5, y=-0.25, # Push footer way down below controls
•         xref="paper", yref="paper",
•         text=footer_text.replace('\n', '<br>'),
•         showarrow=False,
•         font=dict(size=12, color="#7f7f7f"),
•         align="center",
•         valign="top"
•     )

# 6. Save
sanitized_calls = "_".join([_sanitize_filename_part(c) for c in callsigns])
--- END DIFF --- CODE_BLOCK

```

4. Pre-Flight Check

- **Architecture Compliance:** All modified reports now delegate title and footer logic to shared utilities (`_report_utils.py` and `PlotlyStyleManager`), enforcing consistent standards.
- **Smart Scoping:** The `get_standard_title_lines` utility implements the logic to suppress "(All Modes)" for single-mode datasets, as verified in Phase 1.1.
- **Footer Metadata:** All visual reports now include the Branding and CTY version footer.
- **Animation Layout:** `plot_interactive_animation.py` needed custom handling for the footer to avoid overlapping the slider controls; it uses `y=-0.25` instead of the standard `-0.15`.

Next Action: I will issue the standardized prompt for **Confirmed**.