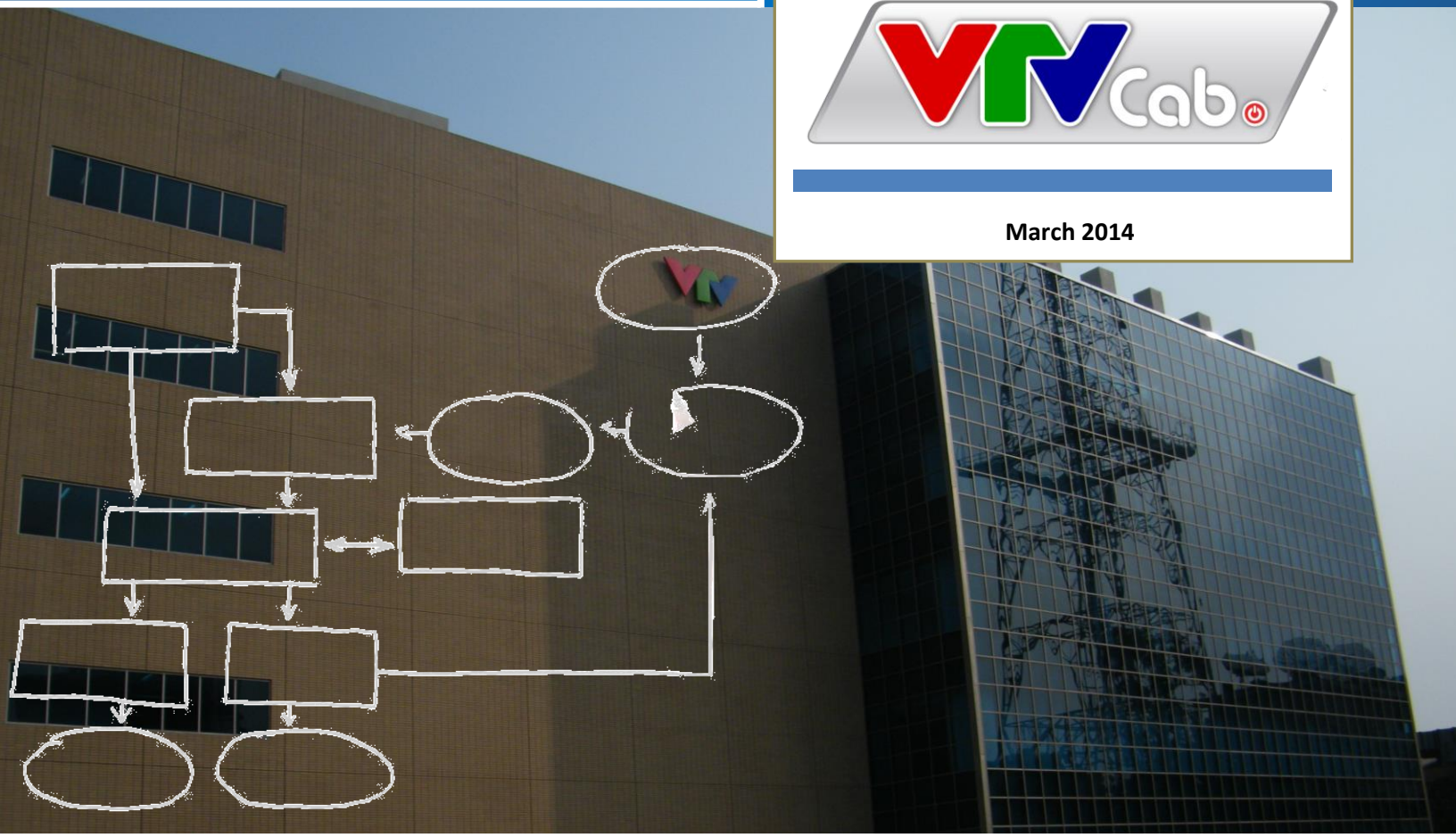
PROJECT

Etere

a consistent system

VTVCab:

An Enterprise Workflow-based Management System



March 2014

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▼ 1. INTRODUCTION

VTVCab which stands for **Vietnam Cable Television** (formerly known as VCTV) is largest cable television network in Vietnam and a division of the national television **VTV** established in 1995. **VTVCab** includes a wide range of pay TV channels with plentiful contents and various forms including cartoons, dramas, music, news, sports, health, shopping, etc.

In previous years, **ETERE** has accompanied **VTVCab** across its various system expansions; supporting with an extreme modularity the integration of all the new modules and equipment into the global system workflow without interfering with the overall project.

▼ 2. OVERVIEW

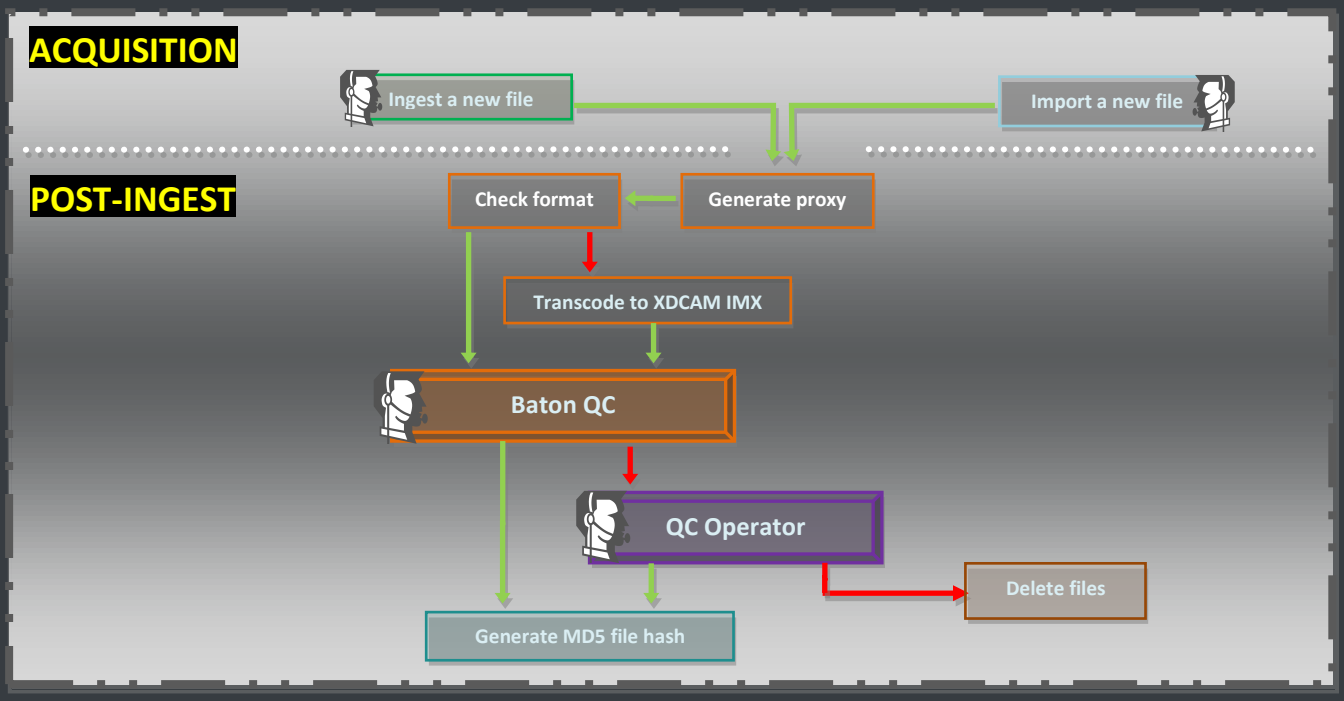
VTVCab has requested a workflow-based solution to allow its **redundant system** to check the quality of acquired files and delete oldest files when free space is required. The solution proposed by ETERE will be relied on the **ETERE MERP** approach to cover the end-to-end media management efficiently, timely and reliably.

Etere's file-based workflow technology will provide **VTVCab** with an efficient media management system that is able to allow the company to take a step forward towards a fully file-based management of assets. **VTVCab** will be provided mainly with the following features:

- Post-Ingest Workflow Management
- Clean-up Workflow Management

▼ 1.1. Post-Ingest Workflow

ETERE will provide **VTVCab** with a streamlined workflow that will enable the station to automatically check the format suitability and video quality of acquired material, providing automatic transcoding actions and further manual checks to ensure the reliability of the entire process.

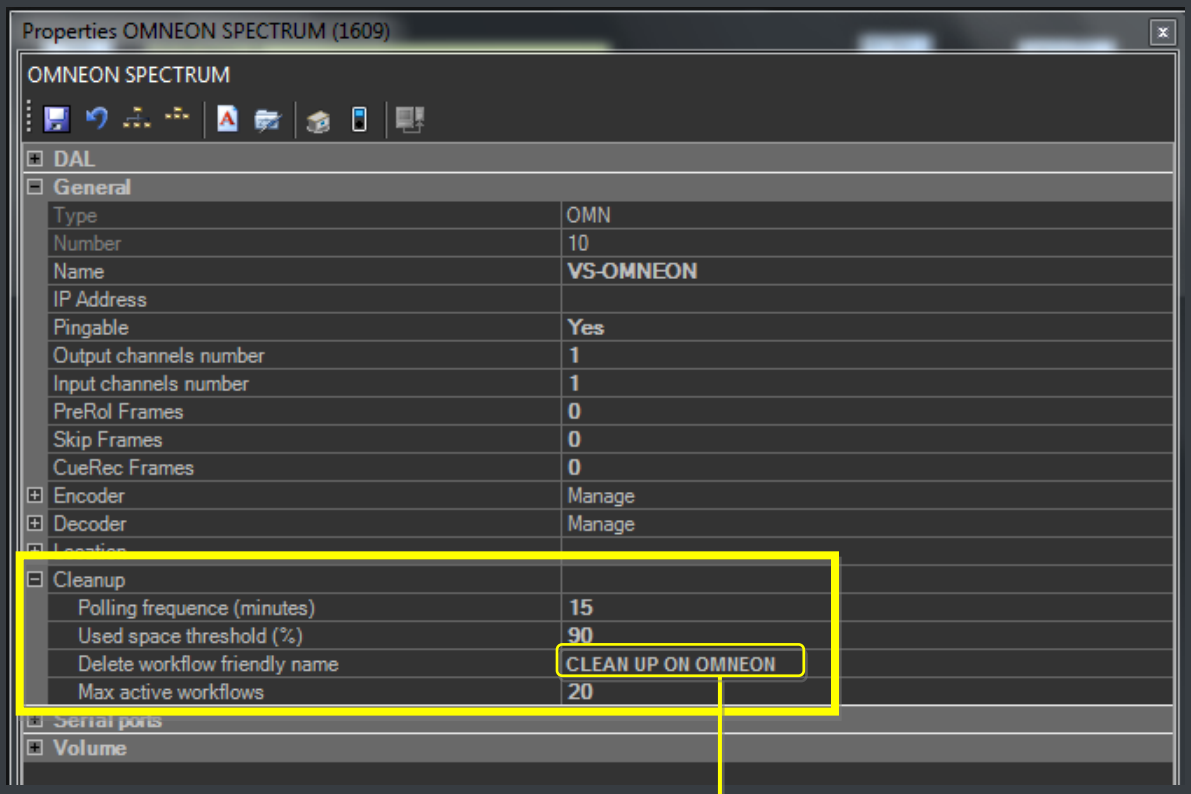


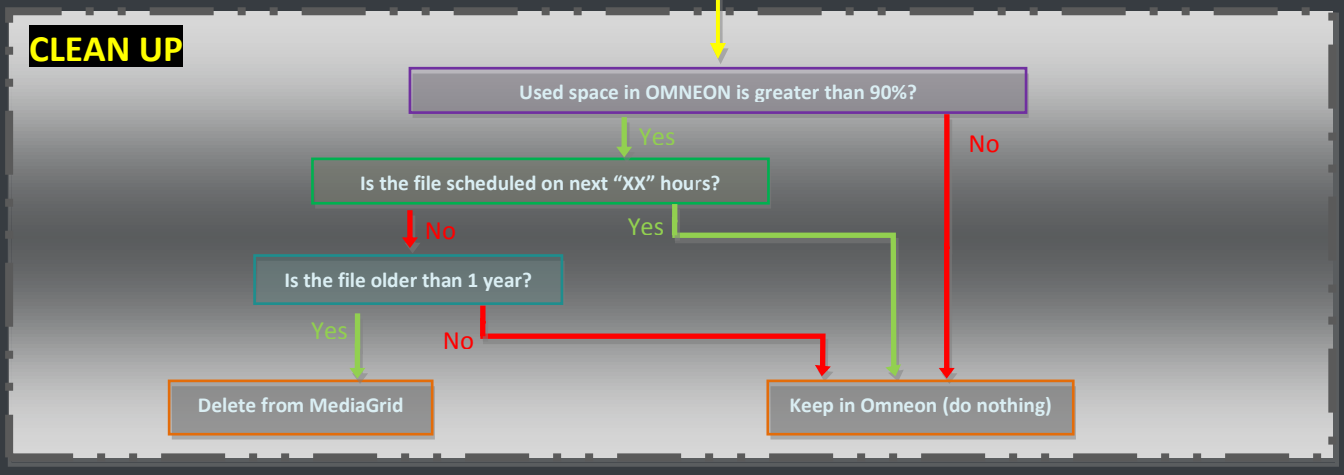
	POST-INGEST
1	A file is acquired into the archive, either from **Ingest** or **File import**.
2	A **proxy file** is automatically generated for the acquired media
3	The system **checks the format** of the acquire file against the list of **Omneon's playable formats**: **Ok** — The file is supported by Omneon **Not Ok** — The file is not supported, it's automatically transcoded to **XDCAM IMX** supported format
4	A **Baton QC** job is automatically performed to analyze and verify the quality of the file: **Ok** — The file has **successfully** passed the automatic QC. **Not Ok** — The file has **failed** the automatic QC, it needs a manual QC review.

<table>
<tr><td>5</td><td>In case the automatic Baton QC has failed, a “manual check” task is assigned to the QC group:<table><tr><td>Ok</td><td>The file is suitable, the workflow goes to step6.</td></tr><tr><td>Not Ok</td><td>The file is not suitable and hence automatically deleted, and the workflow ends.</td></tr></table></td></tr>
<tr><td>6</td><td>Other automatic tasks are performed (e.g. Generate MD5 checksum) before the workflow ends.</td></tr>
</table>

▼ 1.2. Clean-up Workflow

ETERE automatically monitors -with a given frequency- the **space usage** of the **Omneon MediaGrid**, automatically triggering a **"clean up workflow"** to delete files *(e.g. older than one year)* every time the occupied space goes over the 90%:





<table>
<tr><th></th><th>CLEAN UP</th></tr>
<tr><td>1</td><td>The system check if the Omneon’s used space exceeds the 90%?
<table>
<tr><td>Yes</td><td>Go to step2.</td></tr>
<tr><td>No</td><td>The file is kept, and the workflow ends.</td></tr>
</table></td></tr>
<tr><td>2</td><td>The system checks if the file is scheduled for broadcast in the next “XX” hours (e.g. 168):
<table>
<tr><td>Yes</td><td>Go to step3.</td></tr>
<tr><td>No</td><td>The file is kept, and the workflow ends.</td></tr>
</table></td></tr>
<tr><td>3</td><td>The system checks if the file is older than one year:
<table>
<tr><td>Yes</td><td>The file is deleted from Omneon, and the workflow ends.</td></tr>
<tr><td>No</td><td>The file is kept, and the workflow ends.</td></tr>
</table></td></tr>
</table>