

W H I T E P A P E R

# The Modular Content Framework™

From Finished Assets to Governed Components

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*Turning Content Into Reusable Infrastructure for Speed,  
Compliance, and AI-Ready Personalization*

For CMOs, Medical Affairs Leaders, and Commercial Operations Executives in  
Regulated Industries

**Christian Schneider**

Modular Content Framework™ — Component-Based Content Architecture  
travalcon.com — A Project DDIAM LP Business Initiative  
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## Executive Summary

Every commercial and Medical Affairs organization in a regulated industry runs into the same wall: content production speed is capped not by creative capacity, but by review capacity, and review capacity is capped by the size of the thing being reviewed. As long as the unit of Medical-Legal-Regulatory review is a finished asset — an eDetail, a leave-behind, an email campaign carrying 8 to 15 distinct claims — an 6-to-14-week cycle is not a process failure. It is the rational, structurally determined cost of reviewing that much claim density at once.

The Modular Content Framework™ resolves this by changing the unit, not the process. Content is decomposed into discrete, pre-approved components — typically a single claim or claim cluster of 250–800 words — reviewed once at the component level, then assembled, not rebuilt, into any channel-specific asset a market or campaign requires.

Validated across pharmaceutical commercial operations, the framework consistently produces the same structural result: MLR cycle time falls by roughly 59%, reuse rates climb from a 12% baseline to 65–80% within 18 months, and the resulting component library becomes the mandatory infrastructure layer beneath every AI-driven personalization capability the organization subsequently deploys.

### Validated Program Impact

59% MLR cycle time reduction (11-week average asset review → 4.5-week component + assembly review)

38–60 components per complete commercial architecture, covering the full funnel with no library gaps

Reuse rate improves from a 12% baseline to 65–80% within 18 months of deployment

44% reduction in content production cost at maturity; 3–5× ROI on the modular build investment over 3 years

10,000+ distinct personalized combinations achievable from a single 50-component tagged library

This white paper presents the conceptual foundation, component taxonomy, governance model, reuse economics, and staged implementation roadmap for the Modular Content Framework™ — and shows why the market's leading content technology vendors (IQVIA, Indegene, Anthill) have each independently converged on the same architectural answer, and where a Brand-Communication-Behaviour-anchored approach goes further than a technology platform alone.

# 1. The Asset-by-Asset Trap: Why Finished Content Cannot Scale

## 1.1 The Paradox of the High-Output Marketing Organization

Commercial and Medical Affairs teams in regulated industries are producing more content than ever, across more channels and markets than ever — and experiencing declining velocity per unit of investment. The reason is structural: every finished asset is treated as a bespoke production, built from scratch, reviewed as a whole, and discarded or duplicated the next time a similar claim needs to reach a different channel or market.

This is the asset-by-asset trap. Three structural costs compound with every market and channel added: duplication at scale, as the same claim-and-evidence pairing is rebuilt from nothing in every market and campaign; the loss of a single source of truth, since when a claim changes there is no reliable way to find and update every asset that used it, turning version drift into a compliance risk rather than a quality nuisance; and a hard personalization ceiling, because whole assets cannot be recombined per HCP segment or channel — true personalization requires content broken down to component level first.

## 1.2 The Mathematics of Asset-Based Production

### The Review-Unit Equation

1 finished asset = 8–15 distinct claims, each requiring individual validation, cross-claim interaction assessment, and market-specific compliance verification

At that complexity per review unit, a 6–14 week MLR cycle is a rational response to the review burden — not a process inefficiency

Making the review process faster without changing the review unit only increases reviewer error rate

The fix is architectural: change the unit from a finished asset to a discrete, pre-approved component

## 1.3 Structural Pain Points Across Content Operations

Structural Dimension	Typical Symptom	Organizational Consequence	Strategic Impact
Duplication at Scale	Same claim/evidence rebuilt per market, channel, campaign	MLR review cost multiplies with no added value	Resource misallocation at scale
No Single Source of Truth	No reliable way to find every asset using a changed claim	Version drift becomes a compliance risk	Regulatory exposure

Structural Dimension	Typical Symptom	Organizational Consequence	Strategic Impact
Personalization Ceiling	Whole assets cannot be recombined per segment	Personalization capped at campaign level, not HCP level	AI initiatives stall on the same ceiling
Review-Unit Mismatch	MLR reviews 8–15 claims per finished asset at once	6–14 week average cycle time	Competitive windows lost
Agency Dependency	Every market variation re-briefed and rebuilt externally	High variable production cost per asset	Cost inefficiency, slow adaptation

## 2. The Modular Content Framework™: Conceptual Foundation

### 2.1 A Different Kind of Content Architecture

Modular content is not a template library or a folder of pre-approved assets. It is a structured, searchable, version-controlled repository of claim-specific components, each carrying defined metadata — claim type, audience, funnel stage, channel compatibility, market approval status, expiry date, linked evidence base — from which compliant materials are assembled rather than produced.

Four operative terms define the architecture precisely. It is a structured library: a tagged, version-controlled repository, not a folder of approved content. It is pre-approved: MLR review occurs at component level, before assembly — the inversion of the traditional review sequence, and the structural source of the cycle-time reduction. It is claim-specific: each component addresses one specific claim or claim cluster, which is precisely what enables reuse — a mechanism component approved for one market can deploy in another without rebuilding, if regulatory approval covers it. And finished assets are assembled: constructed by selecting and sequencing components against a defined playbook, not authored fresh each time.

### 2.2 The Component Taxonomy: Six Categories, 38–60 Components

A complete modular architecture organizes into six functional categories spanning the full commercial and medical education requirement, with no out-of-library gaps.

Category	Representative Component Types	Primary Audience	Funnel Stage
01 · Disease & Category	Epidemiology summary, unmet-need framing, diagnostic criteria guide, underdiagnosis data	HCP, Payer, Patient	Unaware → Aware
02 · Mechanism & Science	Mechanism of action, pharmacokinetics, differentiation vs. comparator, evidence hierarchy	HCP (Knowledge Seeker)	Aware → Interested
03 · Efficacy & Evidence	Primary endpoint summary, subgroup analysis, real-world evidence, long-term outcomes	HCP, Payer	Interested → Evaluating
04 · Safety Profile	Safety summary, adverse-event data, risk management, monitoring requirements	HCP, Payer, Patient	Interested → Evaluating

Category	Representative Component Types	Primary Audience	Funnel Stage
05 · Patient Selection & Access	Identification criteria, dosing guide, reimbursement status, support programme	HCP, Patient	Evaluating → Prescribing
06 · Value & Outcomes	Pharmacoeconomic model, budget impact, quality-of-life data, payer value story	Payer, Formulary Committee	Evaluating → Formulary approval

Beyond the six core categories, a complete architecture includes three supporting tracks: peer and advocacy components (KOL endorsements, congress abstracts, case-report frameworks) serving the Advocate stage; patient-facing components requiring separate DTC/DTP regulatory pathway planning by market; and formulary/institutional components operating on a distinct governance track for the Institutional Gatekeeper audience.

### 2.3 The Governing Principle: One Module, Many Channels

A single approved claim-and-evidence module, once tagged, can be assembled into a rep-triggered email, a detail-aid slide, an HCP portal module, or an AI assistant response — without re-entering MLR review for each channel. Governance happens once, at the module level, not four times, at the asset level.

### 3. The Component Economics: Why the Review Unit Is the Real Problem

Naming the MLR problem precisely matters. MLR review is the most significant structural constraint on commercial content velocity — and the most misunderstood, because it is treated as a process problem when it is an architecture problem. The process critique (reviewers too cautious, too many revision cycles) is often accurate, but it is not the root cause. The unit of review is wrong.

Dimension	Before: Asset-Based MLR	After: Modular Architecture
Production model	Full eDetail rebuilt per market from scratch	Component library built once, assembled per market
Claims per review unit	8–15 claims reviewed simultaneously	1 claim (or claim cluster) per review unit
Average cycle time	11 weeks	4.5 weeks (component + assembly review)
Claim revision impact	Requires full asset re-review	Updates one component only
Market adaptation	Full rebuild	Selection and sequencing
Review complexity	Full cross-claim interaction assessment	Reduced 70–85% per review unit

Component-level MLR review typically takes 2–3 weeks; the remaining time in the 4.5-week total is assembly-level review, which is 10–15% of a full asset review's duration. Once approved, a component is a permanent commercial asset, deployable in any channel, market, or format for which it has approval, without re-review — assembly is a selection and sequencing activity, not a new production or review cycle.

## 4. Build Logic: The Four-Step Component Design Sequence

Building a component library is an architectural design project that happens to produce content. The sequence matters: decisions made before the first component is written determine reusability, scalability, and MLR efficiency.

Step	Name	What Happens	Typical Duration
1	Claim Mapping Foundation	Map the complete claim universe — every approved claim, supporting study, and market-specific regulatory constraint. This mapping is the single source of truth and identifies the claim interdependencies that become assembly rules	Foundation phase
2	Component Specification (Pre-Review)	Each component is specified before writing — claim scope, evidence base, audiences, funnel stages, channel formats, market applicability, required safety context, expiry conditions — and submitted to MLR before production	Catches issues at days-level, not weeks
3	Production and MLR	Components are written to the approved specification and reviewed as standalone units by a smaller, focused review group	2–3 weeks per component
4	Assembly Playbook Governance	Defines required components by asset type, optional components by audience or market, excluded components by regulatory constraint, mandatory safety pairs, and maximum claim density. Approved by MLR as a document	Enables assembly-level review only, going forward

## 5. Governance by Design: Four Domains of Modular Governance

A modular architecture requires a governance model structurally different from asset-based governance. Four domains require explicit design.

Governance Domain	What It Covers
I. Component Lifecycle Governance	Birth, use, retirement: specification → MLR approval → active deployment → monitoring → update trigger → revision → re-approval or retirement. Requires a named component owner (Medical/Regulatory Affairs) and a defined retirement pathway
II. Market Extension Governance	Defines which components require local MLR review, which require adaptation, which are directly deployable from global approval, and which cannot be used in specific markets — the primary determinant of multi-market scaling efficiency
III. Assembly Quality Governance	Ensures finished assets comply with the playbook's pairing rules, safety-context requirements, and channel/market restrictions — performed by local Regulatory or Medical Affairs, and the structural source of cycle-time reduction at activation
IV. Performance & Reuse Governance	Tracks which components are used, where, and with what behavioral outcomes. High-converting components are prioritized for maintenance; low-reuse components are reviewed — this is the commercial intelligence layer that feeds AI-driven component performance modeling

## 6. Reuse Economics: The Compounding Return

Reuse rate — the percentage of deployed content assembled from previously approved components — is the clearest economic expression of a modular architecture’s value. An organization at 12% reuse produces 88% of deployed content as a new production cycle every time, at full cost. At 68% reuse, it pays production cost for only 32% of deployed content — a 65% reduction in the variable cost of commercial content on a growing deployment base.

Deployment Window	Typical Reuse Rate
Months 0–6	15–25% (library and playbook not yet fully embedded)
Months 6–18	50–65% (library reaches critical coverage)
Beyond 18 months	65–80%, continuing to improve as the library is enriched with performance data and AI-optimized recommendations

### Key Insight

“The modular architecture is a capital investment with a compounding return. The cost of building it is paid once. The return — in reduced production cost, faster cycle time, and higher commercial reach per unit of investment — compounds with every deployment cycle.”

At 68% reuse (typically reached within 18 months), deploying a new asset in a new market costs approximately 32% of what it costs at 12% reuse. Across a 14-market franchise deploying 40–60 assets per year, the cumulative three-year cost differential is typically 3–5× the total cost of building the modular architecture.

## 7. The AI Layer: Three Capabilities Modular Architecture Unlocks

A modular content architecture is the enabling infrastructure for three AI-driven commercial capabilities that are structurally unavailable to an asset-based architecture.

AI Capability	What It Requires and Enables
Personalized Content Assembly	An AI system selects and sequences components for a specific HCP based on archetype, funnel stage, engagement history, and propensity score. A 50-component tagged library enables 10,000+ distinct personalized combinations — impossible from a folder of finished eDetails
Next-Best-Action Recommendation	Given a behavioral target and a tagged library, the NBA engine identifies which components, in which sequence, for which HCP archetypes, are most predictive of the target — and recommends the specific deployment to a rep or digital channel in real time
Component Performance Modeling	As behavioral outcome data accumulates, it is attributed at component level, identifying high-converting combinations by archetype, funnel stage, and market. The model feeds back into the assembly playbook, improving outcomes without producing new content

None of the three capabilities is deployable without a governed modular content architecture as its foundation. The correct sequence is invariable: modular architecture first, AI layer second. Organizations that attempt to deploy AI personalization directly on an asset-based content estate consistently rediscover this constraint after the fact, at higher cost than building the architecture first.

## 8. Implementation: The Six-Stage Deployment Sequence

A defined six-stage sequence takes an organization from an unstructured content estate to an AI-enabled component library. Parallel or skipped stages typically produce an unstructured component collection that does not achieve the MLR, reuse, or AI-readiness benefits of a properly sequenced deployment.

Stage	Name	What Happens	Typical Marker
1	Data Audit & Claim Mapping	Audit all currently approved content — every claim, evidence base, market restriction, expiry condition	Typically reveals significant duplication and claim gaps
2	Brand Architecture Alignment	Confirm the component library is built to a defined Brand Objective before building components	Precondition for internal consistency
3	Component Specification & MLR Pre-Approval	Write and submit specifications for all planned components	8–12 of 45 components typically need scope revision at spec stage
4	Component Production in Priority Sequence	Build components in order of commercial deployment urgency — HCP and patient-identification components first	First reuse benefits realized within 3–4 months
5	Assembly Playbook Development & MLR Approval	Playbook written and submitted as a governance document; its approval enables assembly-level review going forward	Mechanism of the cycle-time reduction
6	DAM Integration, Tagging, and AI Enablement	Approved library loaded into DAM with full tagging — audience, funnel stage, channel, market, claim type, expiry	This tagging schema is the interface to AI personalization and NBA systems

The most common starting point in a maturity assessment is Stage 3: informal claim documentation and some approved content exist, but no formal claim map and no MLR-submitted component specifications. Moving from that starting point to a complete, MLR-approved library with an assembly playbook typically takes 4–7 months for a mid-size pharmaceutical product.

## 9. Market Validation: An Industry Converging on One Architecture

The Modular Content Framework™ is not a proprietary curiosity. Three of the life sciences industry's most established commercial technology and services providers have each independently arrived at the same structural answer, from different starting points — a strong external validation of the underlying architecture, and a useful basis for distinguishing a strategy-anchored approach from a tooling-first one.

Provider	Approach Observed	Primary Lever Emphasized
IQVIA	ePromo commercial content management, part of the Orchestrated Customer Engagement (OCE) platform, built on modular content building blocks and pre-approved repositories within an integrated 'platform of platforms' spanning clinical, regulatory, and commercial content	Workflow orchestration and dashboard visibility across the content lifecycle (creation, approval, dissemination, withdrawal)
Indegene	Automated Modular Content, combining Veeva Vault PromoMats (MLR review and DAM) with Indegene's NEXT platforms — Content Collaboration, Commercial Content Intelligence (AI-driven component deconstruction and tagging), Grid Management, and Tactic Management — to extract, tag, assemble, and deploy content at scale	AI-driven content deconstruction and tagging of existing assets into reusable components, plus KPI instrumentation (reuse, velocity, review cycles, DAM utilization)
Anthill	Anthill Cloud, a unified platform combining Arcane™ (GenAI-powered content discovery, reuse, and creation) and Activator™ (authoring on pre-approved templates and modular components) for pharma, MedTech, and biotech content supply chains	A single connected ecosystem spanning content creation, governance, and omnichannel activation, with modules defined as self-contained 'mini-stories' — claim, references, copy, graphics, business rules

The convergence is instructive: all three arrive at the same core mechanism described in Sections 2–4 — decompose content into tagged, pre-approved components; review once; assemble repeatedly. Where the Modular Content Framework™ differs is in what each component is tagged against. A technology-platform approach tags components primarily for retrieval, reuse, and channel formatting. The Modular Content Framework™ additionally tags every component against the BCB Framework™'s strategic layer — Brand Objective, Communication Objective, Behavioural Objective, Archetype, and Funnel Stage — so that

reuse and AI assembly decisions are traceable not just to a claim, but to the specific strategic and behavioral outcome the content exists to drive. A platform tells you a component can be reused. The BCB-anchored architecture tells you whether it should be, for this HCP, at this moment, for this behavioral objective.

## 10. Illustrative Program Outcome

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### Case Reference: Global Specialty Care Launch

A mid-sized global biopharmaceutical company launching a specialty immunology therapy across 32 markets faced 47% projected content duplication and a 14–18 week global-to-local adaptation cycle.

Shifting MLR from asset-based to module-based governance — pre-approved modules assembled into market assets, with core modules locked globally and local layers adapted within pre-approved parameters — reduced MLR review cycles from 3.2 to 1.8 rounds on average (a 44% improvement) and cut the global-to-local adaptation cycle roughly in half.

Content reuse across channels moved from limited/ad hoc to a 40%+ reuse rate, and early adoption shifted from an 8% deviation below forecast to 5% above forecast — evidence that operational efficiency and behavioral impact improved simultaneously rather than trading off.

This outcome is consistent with the reuse trajectory and cycle-time mechanics described in Sections 3 and 6: the review-unit change (Section 3) produces the cycle-time result, and the compounding reuse curve (Section 6) produces the cost and adaptation-speed result, on the same underlying architecture.

## 11. Industry Deep-Dive: Life Sciences — The Component Taxonomy in Practice

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Life sciences is the origin and most extensively validated context for the Modular Content Framework™, because it is the industry where the review-unit problem described in Section 3 is most acute: MLR is not a marketing quality gate, it is a regulatory requirement with legal consequence, and the six-category taxonomy in Section 2.2 exists specifically because it maps onto how Medical, Regulatory, and Commercial teams already think about a product's evidence base, not because of any content-technology convenience.

The three supporting tracks — peer and advocacy, patient-facing, and formulary/institutional — deserve particular attention because they are the most commonly under-built parts of a component library. Peer and advocacy components (KOL endorsements, congress abstracts) require a governance track distinct from HCP-facing clinical components; patient-facing components require separate DTC/DTP regulatory pathway planning by market; and formulary/institutional components serve an audience (the Institutional Gatekeeper) with fundamentally different decision criteria from an individual prescriber. Organizations that build only the HCP-facing core six categories consistently discover the gap when a payer or formulary engagement stalls for lack of an approved value-story component.

## 12. Industry Applicability: Financial Services & Industrial B2B

The claim-and-evidence component logic translates directly beyond life sciences, with industry-specific module families replacing the pharmaceutical taxonomy.

Vertical	Representative Module Families	Governance Equivalent to MLR
Financial Services & Insurance	Risk scenario modules, product comparison modules, fee and pricing transparency modules, digital self-service modules, trust and security modules	Legal/Compliance review under MiFID II, GDPR, and national consumer-protection rules — component-level pre-approval reduces review cycles by a reported 40–60% where implemented
Industrial B2B & Manufacturing	Technical specification modules (locked at engineering sign-off), ROI and efficiency modules, operational workflow modules, safety and certification modules	Engineering and Legal sign-off embedded at module level; assembly into sales materials proceeds without full re-review per proposal

## 13. Competitive Benchmarking: Modular vs. Asset-Based Organizations

Performance Dimension	Asset-Based (Status Quo)	Modular Architecture
Average MLR cycle time	11 weeks	4.5 weeks (59% faster)
Content reuse rate	12% baseline	65–80% at 18+ months
Content production cost (index)	100 (baseline)	56 (44% lower at maturity)
Personalized combinations from one library	Limited to whole-asset variants	10,000+ from a 50-component library
Claim revision impact	Full asset re-review	Single component update
3-year ROI on architecture investment	N/A (recurring full-cost production)	3–5× the build investment

## 14. Organizational Readiness for Modular Content Programs

Readiness Dimension	Assessment Criteria
Executive Sponsorship	A modular content program changes how Commercial, Medical, and Regulatory teams work together — it requires CMO-level ownership able to justify the upfront component-build cost against a multi-year reuse return, not a single-campaign budget
Cross-Functional Alignment	Medical Affairs, Regulatory, Commercial Operations, and IT must share governance authority; component ownership (Section 5, Domain I) cannot sit with a single function alone
Component Ownership Model	Every component requires a named owner accountable for its lifecycle — specification, approval, monitoring, retirement — before production begins
MLR Process Redesign Appetite	The organization's Regulatory and Legal functions must be willing to approve an assembly playbook as a governance document, not just individual assets — the single largest cultural shift the framework requires
DAM & Technology Alignment	No specific DAM platform is mandated, but tagging schema (audience, funnel stage, channel, market, claim type, expiry) must be implementable in the existing stack to serve as the AI interface described in Section 7

## 15. Strategic Implications for CMOs and Commercial Operations Leaders

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The Modular Content Framework™ reframes a question most content operations teams currently answer incorrectly. The question is not “how do we produce content faster?” Faster production of whole assets, without changing the review unit, simply produces more content for MLR to review at the same complexity per unit — the queue gets longer, not shorter.

The question that determines whether a content operation scales or stalls is: “what is the smallest unit of content we can get approved once and reuse indefinitely?” For CMOs and Commercial Operations leaders, the component library is not a production efficiency project. It is the infrastructure decision that determines whether every subsequent personalization and AI investment compounds in value, or has to wait for an architecture that does not yet exist.

## 16. Five Lessons from Modular Content Implementations

Lesson	Insight
1. The review unit is the lever, not the review process	Organizations that try to speed up asset-based MLR without changing the unit of review consistently fail to sustain the gains. Changing what gets reviewed, not how fast it gets reviewed, is what produces the 59% cycle-time reduction
2. Claim mapping is the foundation, and it is usually incomplete	Nearly every component-library build begins with a claim-mapping exercise that reveals more duplication and more gaps than leadership expected — this is the same 'diagnostic reveals more than expected' pattern observed across regulated-industry content transformations generally
3. Reuse compounds — but only after 6 months	Programs that judge the architecture's success in the first two quarters, before the 15–25% early-stage reuse rate has had time to reach the 50–65% mid-stage range, frequently and mistakenly conclude the investment underperformed
4. Modular architecture is a precondition for AI, not a parallel workstream	Every organization that has attempted personalization or Next-Best-Action AI on an asset-based content estate has had to backfill a component architecture afterward, at higher cost than sequencing it first
5. The component library is a compounding commercial asset	As reuse, tagging, and performance data accumulate, the library itself becomes more valuable with every deployment cycle — the same compounding-asset dynamic the Knowledge Graph Framework™ observes in its own governed data structures

## Appendix: Reference Architecture & Quick Reference

### The Complete Modular Content Alignment Chain

CLAIM LAYER: Approved claims and evidence, mapped exhaustively (Step 1) → the single source of truth for the entire library

COMPONENT LAYER: Claims specified, produced, and MLR-approved at component level (Steps 2–3) → 38–60 tagged, reusable components

ASSEMBLY LAYER: Components combined per the MLR-approved playbook (Step 4) → channel- and market-specific finished assets, without re-review

AI LAYER: Tagged library feeds personalized assembly, Next-Best-Action, and performance modeling (Section 7) → compounding commercial return

### Maturity Level Quick Reference

Maturity Level	Characteristics	Priority Actions
L1 Fragmented	No claim map; content produced and reviewed asset-by-asset; no defined components; reuse below 15%	Claim mapping and Brand Architecture alignment (Stages 1–2)
L2 Emerging	Some approved content and informal claim documentation exist; no formal component specifications submitted to MLR	Component specification and MLR pre-approval (Stage 3)
L3 Defined	Priority components produced and approved; assembly playbook in development; reuse reaching 50–65%	Assembly playbook approval; DAM tagging (Stages 4–5)
L4 Advanced	Full tagged library live in DAM; AI-driven personalized assembly and NBA operating; reuse at 65–80%	Continuous component performance modeling and library enrichment (Stage 6 and beyond)

### Implementation Checklist: 18 Milestones Across the Six-Stage Sequence

#### Stages 1–2 — Foundation (Months 1–2)

- Executive sponsor identified (CMO / Commercial Operations lead)
- Complete claim universe mapped, including supporting studies and market constraints
- Component library confirmed aligned to a defined Brand Objective hierarchy
- Baseline reuse rate, MLR cycle time, and content duplication measured
- Component ownership model defined (Medical / Regulatory Affairs)

### **Stages 3–4 — Component Build (Months 2–5)**

- Component specifications written for the full planned library (38–60 components)
- Specifications submitted to MLR for pre-approval; scope revisions resolved
- Priority components (HCP and patient-identification) produced first
- Component-level MLR review completed at 2–3 weeks per component
- First reuse benefit realized and measured (target: within 3–4 months)

### **Stages 5–6 — Assembly & AI Enablement (Months 5–7+)**

- Assembly playbook drafted: required, optional, and excluded components by asset type and market
- Assembly playbook approved by MLR as a governance document
- Full library loaded into DAM with complete BCB-aligned tagging schema
- Personalized assembly and Next-Best-Action use cases scoped for AI enablement
- Component performance monitoring and library retirement process operating
- Reuse rate, MLR cycle time, and production cost tracked quarterly against baseline
- Scale-up plan agreed for additional brands, markets, or therapeutic areas
- AI readiness assessment completed before any personalization deployment begins

### The Modular Content Framework™ in Three Principles

1. Content excellence is not volume. It is architecture at the component level.
2. The review unit determines the review cycle. Change the unit, and the cycle changes itself.
3. Modular content is the prerequisite infrastructure for AI personalization — not an alternative to it.

## About the Modular Content Framework™ and travalcon.com

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The Modular Content Framework™ is a proprietary methodology developed and validated by travalcon.com, a Project DDIAM LP business initiative based in München and Toronto, converting fragmented, asset-based content operations into governed, reusable component architectures for pharmaceutical, financial services, and industrial B2B organizations.

travalcon.com specializes in AI-driven consulting and solutions for marketing, sales, and service transformation in regulated industries. Through its AI brands — AI Market Dynamics and AI Content Excellence — travalcon.com helps organizations deploy the full potential of artificial intelligence within a structured, governed, compliance-ready content architecture.

### To discuss Modular Content Framework™ implementation for your organization:

#### Christian Schneider

Modular Content Framework™ — Component-Based Content Architecture

christian@travalcon.com | +49 162 170 8062

[www.travalcon.com/modular-content](http://www.travalcon.com/modular-content)

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