SAP GRC Technology
Embed security and controls through technology
Maximize the benefit from GRC technology

Background
Managing governance, risk and compliance continues to be a challenge for most organizations. With increasing compliance requirements, organizations are seeking to reduce cost and increase value derived from investment in control processes, people and technology. Technologies are now maturing, providing a mechanism to build scale and efficiency from control and compliance investment. Getting value from GRC technology means reducing the cost of compliance at the same time as improving risk management and control. Our SAP team is working with leading organizations to embed and integrate GRC solutions, driving value from control.

Common Challenges
- Non-standardized controls and lack of visibility of controls
- Lack of efficient communication between business and IT, which leads to gaps between business requirements and actual security implementation.
- Labor-intensive processes for role maintenance, user assignments, and compliance.
- Difficulties in controlling superuser access and role management.
- High cost of internal and external assurance.
- Lack of processes/tools to protect ERP process and control design.
- Lack of technology to support controls optimization.
- Tools to support centralization of reporting and enhance visibility across the organization.
- Limited or no integration between various compliance frameworks.
- Risk management viewed as a compliance exercise.
- Siloed risk management processes, leading to duplicate efforts across business units/divisions.
- Inconsistent processes and unclear roles and responsibilities, leading to gaps in risk activities.
- Risk management that is not anchored in sound enterprise-wide technology systems, leading to inefficiency and increased costs.
- Risk management disconnected from business objectives and performance management.
- Culture of control management not embedded in business.
- High cost and disruption to management to operate and test controls.

Drive agreement on risk appetite, and thresholds
Identify and assess all key risks across the enterprise
Recommend resolution strategies for key risks
Build proactive monitoring into existing business processes

Analysis of risks and remediation of access related conflicts
User provisioning using automated functionalities in Access Controls
Enterprise Role Management
Track super user access and behavior

Document control environment by capturing process, controls, objectives and risk
Test automated controls, manual controls and perform assessments
Monitor exceptions and report issues
Certify and sign off controls
PwC can help your organization embed better security and controls into your business processes and transition into a sustainable state of monitoring by implementing SAP GRC solutions.

Our SAP team has a proven experience in deploying SAP GRC technology and providing technical & functional assistance throughout critical stages of GRC technology life cycle.

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<th>SAP GRC services</th>
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<td><strong>Readiness program</strong></td>
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<tr>
<td>Strategy and vision</td>
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<tr>
<td>Business case and success factors</td>
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<td>High level requirements and stakeholder management</td>
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<tr>
<td>Management of RFI &amp; RFP process</td>
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<tr>
<td>Vendor technology evaluation and selection</td>
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<tr>
<td>Development and design of GRC architecture</td>
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PwC provides end to end advisory services across SAP GRC Access Controls, Process Controls and Risk Management solutions. We have experts with in depth knowledge of how GRC solutions can be integrated to meet your business requirements.

**SAP GRC Risk Management**

**Value Proposition**
- Alignment of risks to strategic priorities and business objectives.
- Proactive risk monitoring through defined key risk indicators and standardized early warning system.
- View of Consolidated risk exposure resulting from risk analysis and correlation.

**SAP GRC Process Control**

**Value Proposition**
- Automation of control activities through continuous control monitoring & auditing.
- Multi-Compliance framework enables enterprise wide regulations.
- Centralization of Risk & Control documentation/testing/remediation across organizations and compliance initiatives.

**SAP GRC Access Control**

**Value Proposition**
- Real-time insight into access and segregation of duties violations.
- Reduction of critical access risks through control mitigation and dashboard reporting.
- Preventative user provisioning through identification of user conflicts prior to granting access.
**Our approach**

Our implementation approach is tailored to SAP's Global ASAP implementation methodology to bring speed and experience to every SAP GRC project.

By leveraging knowledge and lessons learned across other SAP GRC projects, our unique Center of Excellence team will assist you throughout the implementation life cycle.

### Benefits

#### SAP GRC Access Controls
- Real-time analysis of SoD and sensitive access violations.
- Transparency of access risks.
- Self-service access requests and password resets.
- Streamlined user and role access reviews.
- Centralized audit documentation.
- Superuser access management (mitigates the most common audit issue).
- Customizable methodology for role definition.
- Preventative compliance.

#### SAP GRC Process Controls
- Protecting investment through developing a way to sustain newly designed processes and controls.
- Optimize controls through rationalization, improving control process efficiency and further automation of controls.
- Centralized reporting and better visibility through documenting and testing controls once and sharing assurance across departments.
- Integrated compliance management through developing a centralized multi-compliance framework.
- Supporting the transition “above market” through effective management of controls from central functions and shared service centers.
- Reduced cost of internal and external assurance through improved integration of audit efforts.

#### SAP GRC Risk Management
- Transform Risk Management process from a silo approach to a more coordinated and oriented approach.
- Consolidate risks at higher levels of the organization and evaluate global risk exposure.
- Respond intelligently by focusing on key risks, creating cross-organizational resolution strategies, and tracking response costs.
- Improve visibility and optimize decision making by aligning risks to strategic priorities and business objectives (enhance risk communications to the board).
- Monitor key risks in a proactive way through a standardized and centralized Key Risk Indicator framework.
**Access Controls**

<table>
<thead>
<tr>
<th>Industry</th>
<th>Manufacturing</th>
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</thead>
<tbody>
<tr>
<td>Annual revenue</td>
<td>$6.9 billion</td>
</tr>
<tr>
<td>No. of employees</td>
<td>14,300</td>
</tr>
<tr>
<td>No. of SAP users</td>
<td>1,000</td>
</tr>
</tbody>
</table>

PwC is working with a leading agricultural equipment manufacturer to help them select and implement a GRC Access Controls technology platform which is fit to their business. The following key tasks have been completed / delivered successfully. The project remains ongoing.

- Development of an Operating Model, including the security strategy and roadmap.
- Definition of security concepts and principles to ensure that the security design is scalable and sustainable.
- Assistance in selecting a GRC technology platform which is suited to the company’s organizational and operational needs. SAP GRC Access Controls emerged as the best suited GRC technology platform for the client.
- Support in implementing the RAR and SPM components of SAP GRC Access Controls.

**Process Controls**

<table>
<thead>
<tr>
<th>Industry</th>
<th>Retail &amp; C. Goods</th>
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<tbody>
<tr>
<td>Annual revenue</td>
<td>$18 billion</td>
</tr>
<tr>
<td>No. of employees</td>
<td>70,000</td>
</tr>
<tr>
<td>No. of SAP users</td>
<td>9,000</td>
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A leading brewing company has embarked upon a major SAP business transformation program, where common back and front office global and regional templates are being deployed. In an effort to protect their ERP investment, maintain consistent process and control design they have leveraged SAP GRC Process Control functionality.

PwC assisted in the implementation of SAP GRC PC and the client now has a robust control repository that supports SOX processes as well as leading edge functionality to allow workflow driven self assessment and continuous control monitoring for over 100 key automated business process controls.

**Why PwC**

**SAP Partnership**

PwC has a GRC Special Expertise Partner (SEP) relationship with SAP, obtained based on a deep technical expertise and experience from working with our clients.

You will gain from:

- **Industry expertise** – fit for purpose
- **Implementation experience** – best practices
- **Efficient implementation** – high quality accelerators
- **GRC 10.0 experience** – relevant technical expertise
- **PwC Center of Excellence (CoE)** – SAP GRC technology

We bring the following benefits to our clients:

- Deep expertise in all components of SAP GRC technology including Access Control, Process Control, Risk Management and GTS technology solutions
- Geographical presence in key markets, providing resource solutions and options in key locations
- Attendance at SAP GRC laboratories, providing independent testing of SAP solutions and insight into strengths, challenges and opportunities for using the technology
- Steering and influencing the technical development of the tools, providing a channel for clients to influence developments
- Relationships with key layers of SAP technology development and management
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