

WORK AREA: 703

APPLIED RESEARCH & DEVELOPMENT

(SPECIFIC)

102393689

WORK AREA: 703.01
 SUBJECT: PRODUCT DEVELOPMENT FOR BAT (UK&E)

STRATEGIC OBJECTIVE

To develop products and provide technical support to meet existing and future BAT (UK&E) needs.

PROJECT NUMBER	PROJECT AREA	KEY TASKS AND COMMENTS
.100	<u>Product Development</u>	
.110	Market and Physical Testing Reports.	Six-monthly market reports, quarterly up-dates on these and quarterly physical testing report will be produced.
.150	Project CALENDAR.	Development of a modified Virginia product based upon Actron technology for Middle East markets.
.170	Project PUMICE.	Implementation of 16% and 20% Corby XT in products via step-wise increments.
.180	Project SHAME.	Design of products to meet Middle East delivery constraints.
.190	Slim Product Development.	Development of a slim product for the Middle East.

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WORK AREA: 703.01 SUBJECT: PRODUCT DEVELOPMENT FOR BAT (UK&E) Continued		
PROJECT NUMBER	PROJECT AREA	KEY TASKS AND COMMENTS
.200	<u>ET Sales</u>	
.210	Project SAIL.	Complete the evaluation of the product performance of Corby XT against its main competitors in the ET market - G13 and G13C.
.220	Corby Sales Team.	The provision of product advice to the Corby XT Sales Team.
.300	<u>Production</u>	
.310	Project DEER	Implementation of DEER technology in Southampton factory.
.400	<u>Hygiene</u>	
.410	Pipe Tobacco Studies.	Further investigation and monitoring of mould problems.
	Other Projects.	A contingency resource is available for further identified projects.

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WORK AREA: 703.02 SUBJECT: BRAND ANALYSIS FOR BAT (UK&E)		
<u>STRATEGIC OBJECTIVE</u> To provide an efficient analytical service for BAT (UK&E) covering own and competition products.		
PROJECT NUMBER	PROJECT AREA	KEY TASKS AND COMMENTS
.100	Product Development Samples	Routine and non-routine measurement on cigarette samples arising from Product Development samples.
.200	NAAFI Samples	We may be required to test matched samples of cigarettes with the Laboratory of the Government Chemist in order to be able to sell our products to the armed services through NAAFI.
.300	Export Brands	Routine determinations of Tar/Nicotine/Carbon Monoxide etc. on products produced for export. Where applicable allowance is made for special requirements arising from a particular market.
.400	International Brands	Samples are received regularly from major international markets for routine testing.
.500	Physical Testing	Samples are received on a regular basis and physical tests performed. These tests include coal retention, firmness, density, end stability, static burn rate, expanded tobacco.
.600	Corby Samples	Samples of tobacco pre and post expansion are received from Corby daily for the determination of nicotine and sugars in the blend as an aid to effective plant/process monitoring.

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WORK AREA: 703.03
SUBJECT: MATERIALS TESTING FOR BAT (UK&E)

STRATEGIC OBJECTIVE

To provide a comprehensive testing service on packaging and other materials for BAT (UK&E).

PROJECT NUMBER	PROJECT AREA	KEY TASKS AND COMMENTS
.100	Routine Testing	The routine examination of papers, tipping, plug wrap, filter materials, foil, box board, wrapping film, etc. Package life studies are performed as required.
.200	Non-Routine Testing	Investigation in areas relating to machine runnability, adhesive performance, packaging changes and packaging performance are performed as required by Woking and the Plants.
.300	Materials Database	A materials database containing information on properties of cigarette paper and other packaging materials is being expanded and will be maintained for access by Woking and the Plants.

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WORK AREA: 703.04 SUBJECT: TECHNICAL INVESTIGATIONS ON BEHALF OF BAT (UK&E)		
<u>STRATEGIC OBJECTIVE</u> To undertake specific projects on machinery and processes as agreed and defined within BAT (UK&E).		
PROJECT NUMBER	PROJECT AREA	KEY TASKS AND COMMENTS
.001	Stem studies.	<p>The initial investigation of incoming raw stems and their effects on the quality of BAT (UK&E) WTS product will be completed in 1986. In 1987 work will be undertaken in the following areas:</p> <ul style="list-style-type: none"> a) evaluation of stem blends in order to predict blend composition, to maximise fill value, yield and product continuity. b) investigation of routes to optimise use of stem waste by studying the effects of different types of waste and levels of add-back on the fill value and overall yield in WTS processing. c) devise a protocol by which the quality of incoming raw stems can be assessed and provide support to Leaf Department in their specifications for stem purchases.
.002	Support to Corby XT	<p>Work will be undertaken in 1987 to assess the effect of particle size in DIET processing. Support, using the R&D DIET pilot plant, will be given in assessing potential process or blend changes for Corby when required.</p>

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WORK AREA: 703.04 SUBJECT: TECHNICAL INVESTIGATIONS ON BEHALF OF BAT (UK&E) Continued		
PROJECT NUMBER	PROJECT AREA	KEY TASKS AND COMMENTS
.003	Extension of sample manufacturing ability.	When required, work will be undertaken to modify or extend the range of sample manufacturing facilities in order to meet specific requests for non-standard products.
.004	Production samples using the new R&D primary process line.	To prepare, as required, large scale sample blend for BAT (UK&E) Product Development projects.
.005	Support to Leaf Department BAT (UK&E).	Further testing of small strips imports. Development of a rapid test for use at GLT plants to predict filling value.
.006	Identification of future process studies.	The introduction of the R&D primary process line in 1987 will provide an opportunity to investigate processing variables which presently cannot be evaluated in R&D. Although there is a full work programme for 1987 both the Process Science and Design and Technology groups within Manufacturing Operations Department will seek to develop new process studies where they are required.

BATCO document for Province of British Columbia 12 November 1999

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WORK AREA: 703.05 SUBJECT: TECHNICAL SUPPORT TO OPERATING COMPANIES WITH ESTABLISHED 1:1 LINKS		
<u>STRATEGIC OBJECTIVE</u> To provide Operating Companies with product technology expertise as necessary to meet existing and projected company needs.		
PROJECT NUMBER	PROJECT AREA	KEY TASKS AND COMMENTS
.001	Technical support to B.A.T. (Suisse).	Direct links with these companies are now very well established, such that a good knowledge of the various companies constraints and opportunities exists in the Centre and is rapidly up-dated. This enables information, advice and active collaborative project work to proceed on a sound knowledge base. It is anticipated that the new alignment between BATCo. and the R&D Centre will facilitate the establishment of more of these links.
.002	Technical support to Suomen Tupakka Oy.	
.003	Technical support to Cigar Group.	
.004	Technical support to P.T. B.A.T. Indonesia.	
.005	Technical support to Malaysian Tobacco Co.	
.006	Technical support to United Tobacco Co., South Africa.	
.007	Technical support to B.A.T. (Kenya).	
.010	Technical support to B.A.T. (Hong Kong).	
.015	Technical support to B.A.T. (Singapore).	
.016	Technical support to B.A.T. (Cyprus).	
.018	Technical support to B.A.T. (Mauritius).	
.024	Technical support to Nigerian Tobacco Co.	

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WORK AREA: 703.06 SUBJECT: TECHNICAL SUPPORT TO OTHER OPERATING COMPANIES		
<u>STRATEGIC OBJECTIVE</u> i) To develop better liaison with these Operating Companies. ii) To provide product technology support as necessary to meet existing and projected company and consumer needs.		
PROJECT NUMBER	PROJECT AREA	KEY TASKS AND COMMENTS
	This area provides contingency resources to meet the ad hoc support to BATCo. Operating Companies.	In 1986, over 300 such requests were dealt with.
.100	Technical support to Indian sub-continent.	Areas of support envisaged are cheap filters, weight savings and low quality tobacco improvement via casings/heat treatment.
.200	Technical support to Central and South America (excluding Brazil).	A provision for running Technology Seminars in 1987 is being made. This will assist in highlighting areas of product technology in which support can be provided.
.300	Technical support to Africa.	The provision of Product/Process Technology Seminars and Product Audits to African companies in late 1986/early 1987 will also focus the needs which can be supported.
.400	Technical Support to Millbank Departments.	Liaison with Leaf and Marketing Departments is expected to continue in 1987. Continued inputs into Chelwood and Marketing Courses are anticipated.
.500	Technical Support to New Zealand.	Initial areas of support include product quality, ventilation technology and product monitoring advice.
.600	Product Reviews.	Reviews comprising detailed evaluation of (a) the product development function and (b) the smoke sensory characteristics of products will be conducted on request.

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WORK AREA: 703.07
SUBJECT: ANALYSIS FOR OPERATING COMPANIES

STRATEGIC OBJECTIVE

To provide an efficient brand monitoring service for Operating Companies.

PROJECT NUMBER	PROJECT AREA	KEY TASKS AND COMMENTS
.100	Routine Analysis	To provide routine brand testing and to monitor studies performed by Operating Companies during the development or modification of products.
.200	Special Analysis	The measurement of specific chemicals performed at the request of an Operating Company.
.300	Materials Testing	A testing service is available on materials purchased directly from suppliers by an Operating Company.
.400	Cross-Check Tests	To perform specific method cross-checks with an Operating Company on request.

WORK AREA: 703.08 SUBJECT: LABORATORY SERVICES IN OPERATING COMPANIES		
<u>STRATEGIC OBJECTIVE</u> To ensure that laboratory services within Operating Companies are provided with the support required to maintain a high standard relevant to their Company operations.		
PROJECT NUMBER	PROJECT AREA	KEY TASKS AND COMMENTS
.100	Technical Reviews and Visits	A regular audit system for overseas laboratories has been established. In principle each laboratory will be visited once every three years but additional visits will be paid as required.
.200	Technical training of overseas staff	Appropriate technical training will be provided to Laboratory Managers/personnel from Operating Companies according to individual needs.
.900	To conduct specific non-routine investigations as required by Operating Companies and Millbank Departments.	In 1988 investigations and services included advice on factory hygiene, and analysis of odorous emissions from primary processing. Such services will continue but it is not possible to predict the variety of requests which may arise. An estimated resource has been allocated but any higher demand will require appropriate resources from other budgeted programmes. Specific cost centres will be opened as requests arise, as appropriate for recovery purposes.

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WORK AREA: 703.09
SUBJECT: MATERIALS TESTING FOR PURCHASING DEPARTMENT

STRATEGIC OBJECTIVE

To provide a comprehensive testing service on materials purchased by BAT (UK&E) Purchasing Department.

PROJECT NUMBER	PROJECT AREA	KEY TASKS AND COMMENTS
.100	Out-Turn Samples	To provide a test facility to BAT UK&E Purchasing Department for paper, board, adhesives, tipping material, plasticisers etc. and to ensure that materials for delivery to Operating Companies meet an agreed specification.
.200	Non-Routine Testing	Additional Testing will be undertaken for Purchasing Department as requested.

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WORK AREA: 703.10 SUBJECT: FLAVOUR DEVELOPMENT AND MANUFACTURE		
<u>STRATEGIC OBJECTIVE</u> To formulate, manufacture and supply flavours in order to give Operating Companies distinct product advantages in their markets.		
PROJECT NUMBER	PROJECT AREA	KEY TASKS AND COMMENTS
.100	Flavour Formulation.	New flavours will be formulated from: (a) traditional materials. (b) flavour house innovations and/or (c) new materials arising from Group research and of demonstrable value (as recognised by Flavourist Workshops). and evaluated against project objectives set by specific Operating Companies. Current "high interest" areas include Oriental flavours and modified menthols.
.200	Supply of Flavours.	Flavours will continue to be supplied to Operating Companies on request at competitive prices. A number of well-proven high-volume lines have been developed which will be advertised to other BAT companies.
.300	Flavour QC.	In order to provide the maximum possible quality assurance to customers, a considerably expanded QC facility is being created which involves careful testing of incoming ingredients on receipt and manufactured flavours prior to despatch.

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